

MIME-Version: 1.0

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boundary="----mhtDocumentPart"

-----mhtDocumentPart

Content-Type: text/html;

charset="utf-8"

Content-Transfer-Encoding: quoted-printable

Content-Location: file:///C:/fake/document.html

<html xmlns:o=3D'urn:schemas-microsoft-com:office:office' xmlns:w=3D'urn:schemas-microsoft-com:office:word'

xmlns=3D'http://www.w3.org/TR/REC-html40'>

<head>

<meta http-equiv=3DContent-Type content=3D"text/html; charset=3Dutf-8">

<title>Testmaker test document</title>

<style>

<!-- @page {

size: 21cm 29.7cm;

/* A4 */

margin: 2.54cm 2.54cm 2.54cm 2.54cm;

/* Margins: 2.5 cm on each side */

mso-page-orientation: portrait;

/* mso-header: h1; */

/* mso-header: url("../static/header.htm") h1; */

/* mso-header: h1; */

/* mso-title-page: yes;

mso-first-header: h1; */

}

@page Section1 {}

div.Section1 {

page: Section1;

}

/* div#h1 {

margin: 0in 0in 0in 9in;

} */

/* p.MsoHeader { border: none; display: none; } */

/* p.MsoHeader :first {

border: none;

display: block;

} */

```

p.MsoNormal,
li.MsoNormal,
div.MsoNormal {
    margin: 0cm;
    font-family: "Calibri", sans-serif;
}

td {
    font-family: Arial;
    font-size: 12pt;
}

@list l2:level1 {
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    mso-level-number-position: right;
}

@list l2:level2 {
    mso-level-text: "__ %2\.";
    mso-level-tab-stop: none;
    mso-level-number-position: right;
}

@list l5:level1 {
    mso-level-text: "%1\. Answer\.";
    mso-level-tab-stop: none;
    mso-level-number-position: left;
    font-size: 12.0pt;
    /* text-indent: -18.0pt; */
    line-height: 115%;
    /* mso-ansi-font-size: 12.0pt;
    mso-bidi-font-size: 12.0pt; */
    font-family: Arial;
}

@list l5:level2 {
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    mso-level-number-position: right;
    font-size: 12.0pt;
    line-height: 115%;
}

@list l1 {
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    mso-level-tab-stop: none;
    mso-level-number-position: center;
    text-indent: -18.0pt;
    mso-ansi-font-size: 12.0pt;
    font-family: Arial;
}

```

```

    mso-ansi-font-weight: normal;
    mso-ansi-font-style: normal;
}

p.MsoListParagraph,
li.MsoListParagraph,
div.MsoListParagraph {
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    mso-style-qformat: yes;
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    mso-add-space: auto;
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    font-family: Arial;
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    mso-hansi-font-family: Arial;
    mso-hansi-theme-font: minor-latin;
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    mso-bidi-theme-font: minor-bidi;
}
-->
/*
Style
Definitions
*/
</style>
</head>

<body>
<div class=3DSection1 style=3D"font-family:Arial,sans-serif;">
  <div style=3D"mso-element:header; font-family: Arial; font-size: 11pt;" id=3D"h1">
    <p class=3DMsoHeader>
      Name: _____ Class: _____ Date: _____</p>
    </div>
    <br></br>
  <div id=3D"content">

<p class=3DMsoNormal><b><span lang=3DEN-US style=3D'font-size:14.0pt;font-family:
"Arial",sans-serif;mso-ansi-language:EN-US'>chapter 2<o:p></o:p></span></b></p>

<p class=3DMsoNormal><b><span lang=3DEN-US style=3D'font-size:14.0pt;font-family:

```

"Arial",sans-serif;mso-ansi-language:EN-US'<o:p></o:p></p>

<p class=3DMsoNormal><span lang=3DEN-US style=3D'font-size:14.0pt;font-family:

"Arial",sans-serif;mso-ansi-language:EN-US'<o:p> </o:p></p>

<ol style=3D"line-height:115%; margin-left:2.25em;">

<li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;">

<font

color=3D"#000000">You measured the brain of an animal species and found that it was 30

cm^{3}. The brain

itself weighs 40 grams. You want to artificially enhance the mean group size for this animal species. What

part(s) of the brain would need to increase or decrease, and why?<span

style=3D"font-size:12pt">

</p><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2

level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-

top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><span style=3D"font-

size:12pt"> <font

face=3D"Arial">David posits that, because nuts require ingenuity to harvest

them, animals that rely on a diet of nuts will require more complexity in mental abilities, thus leading to

the evolution of a larger brain. Evaluate whether David's assertion makes sense based on existing

evidence.<font

color=3D"#000000"> </p><p><o:p> </o:p></p><li style=3D"margin-

bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-

serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><font

face=3D"Arial"> <font

color=3D"#000000">Define the social brain

hypothesis, and generate a study design that tests this hypothesis.<font

face=3D"Arial">

</p><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2

level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-

top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><span style=3D"font-

size:12pt"> <font

face=3D"Arial">Imagine that three teams are tasked with building a windmill.

One team has 3 people, one has 6 people, and one has 12 people. All teams saw an example of a

windmill and then worked to reproduce the windmill and improve on it. Draw a figure that represents

approximately how well each of these teams would perform on this task, relative to the other teams,

after 15 trials.<font

color=3D"#000000"> </p><p><o:p> </o:p></p><li style=3D"margin-

bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-

serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><font

face=3D"Arial"> <font

color=3D"#000000">Define the ratchet effect

and generate an example of it (excluding the example of the hammer in the

textbook).<font

color=3D"#000000"> </p><p><o:p> </o:p></p><li style=3D"margin-

bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-

serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><font

face=3D"Arial"> <font

color=3D"#000000">You are trying to determine whether Mimi, a young child, engages primarily in imitative or emulative learning. Design a study that will allow you to figure it out. </p><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> Faye Han is a famous YouTuber who begins copying the mannerisms of another famous YouTuber, Trish Linh. Design a study that tests whether Faye is copying Trish due to prestige bias or similarity bias. </p><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> What is a critique of the social brain hypothesis?</p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 cellspacing=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo2;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Comparisons of neocortex ratios across primate species go against the social brain hypothesis. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo2;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Comparisons of the encephalization quotient across primate species go against the social brain hypothesis. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo2;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Research on the diets of humans compared to other species of primates is more strongly supported than to the social brain hypothesis. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo2;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Research on the diets of humans compared to other species of primates is more strongly supported than to the social brain hypothesis. </div></td></tr></table>

| | |
|--|---|
| <p>Evidence supporting the social brain hypothesis is limited to humans and does not extend to other species of primates.</p> | <p>The social brain hypothesis predicts that group living is beneficial to primates but it doesn't explain why.</p> |
| <p>The child will likely outperform the chimpanzee and orangutan on physical problem-solving tasks but not social problem-solving tasks.</p> | <p>The child will likely outperform the chimpanzee and orangutan on both physical problem-solving tasks and social problem-solving tasks.</p> |

5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo3;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>The child will likely perform about the same as the chimpanzee and orangutan on both physical problem-solving tasks and social problem-solving tasks.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo3;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>The child will likely perform worse than the chimpanzee and orangutan on both physical problem-solving tasks and social problem-solving tasks.</div></td></tr></table><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> Scientists studying four species of Neptunian animals obtained the following data: </p><p class=3DMsoNormal style=3D"font-size:12.0pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> </p></p><p class=3DMsoNormal style=3D"font-size:12.0pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><table style=3D"text-align:center;" border=3D"2"><tr style=3D"font-weight: bold"><td></center><center></td><td>Species</td></center><td><center>Brain volume without neocortex (cm^{3}</td></center><td><center></td></center><td><center>Neocortex volume (cm^{3}</td></center><td><center></td></center><center><tr><td></td><td>A</td><td></td><td>45</td><td></td><td>90</td><td></td></tr></center><center><tr><td></td><td>B</td><td></td><td>80</td><td></td><td>84</td><td></td></tr></center><center><tr><td></td><td>C</td><td></td><td>20</td><td></td><td>67</td><td></td></tr></center><center><tr><td></td><td>D</td><td></td><td>82</td><td></td><td>84</td><td></td></tr></center></center><tr><td></td></tr></table></p></p><p class=3DMsoNormal style=3D"font-size:12.0pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-

space:0;"/>According to Dunbar's social brain hypothesis, which species should have the largest social groups? (No calculator is needed.)

| | |
|---|---|
| <p><div><div><div>A</div></div></div></p> | <p><div><div><div>B</div></div></div></p> |
| <p><div><div><div>C</div></div></div></p> | <p><div><div><div>D</div></div></div></p> |

- The answer cannot be determined from the available data.

Which of the following is true of the relationship specifically between human brains and group size, according to the social brain hypothesis?

| |
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|---|--|
| <p class="list-item-l1">Human brain size is not related to group size but rather to humans' diet.</p> | <div>Human brain size is not related to group size but rather to humans' diet.</div> |
| <p class="list-item-l1">The neocortex ratio in humans gives them the capacity to keep track of about 150 relationships.</p> | <div>The neocortex ratio in humans gives them the capacity to keep track of about 150 relationships.</div> |
| <p class="list-item-l1">The smaller the group size, the faster the brain deteriorates in old age.</p> | <div>The smaller the group size, the faster the brain deteriorates in old age.</div> |
| <p class="list-item-l1">Humans with larger brains have an affinity for larger groups.</p> | <div>Humans with larger brains have an affinity for larger groups.</div> |
| <p class="list-item-l1">Living in larger social groups tends to lead to larger neocortex ratios.</p> | <div>Living in larger social groups tends to lead to larger neocortex ratios.</div> |

According to the social brain hypothesis, which of the following is true?

| | |
|--|--|
| <p>The large brains of primates allow them to have smaller, tight-knit social groups than humans.</p> <p>Evolution favored primates who did well maintaining social relationships.</p> <p>The neocortex ratio in primates limits population groups to 150 members.</p> <p>People with greater numbers of social relationships are mentally healthier than those with fewer.</p> <p>The neocortex ratio in primates allows for population groups to exceed 150 members.</p> | <p>According to Dunbar (1993), why would larger social groups be associated with the evolution of larger brains?</p> |
|--|--|

| | |
|---|---|
| <p> Larger groups provided more protection for survival, which allowed for the evolution of larger brains. </p> | <div> Larger groups provided more protection for survival, which allowed for the evolution of larger brains. </div> |
| <p> Smaller groups tended to be too cohesive and unwilling to adopt new ideas, leading to stagnant brain evolution. </p> | <div> Smaller groups tended to be too cohesive and unwilling to adopt new ideas, leading to stagnant brain evolution. </div> |
| <p> Smaller groups were more vulnerable to predation and defeat in warfare, preventing the evolution of larger brains. </p> | <div> Smaller groups were more vulnerable to predation and defeat in warfare, preventing the evolution of larger brains. </div> |
| <p> Larger groups were more successful in hunting, and the additional food led to the evolution of larger brains. </p> | <div> Larger groups were more successful in hunting, and the additional food led to the evolution of larger brains. </div> |

Larger groups had greater social complexity, which drove the evolution of larger brains to handle this increase.

After measuring the neocortex ratio of two species, it was determined that Species A has a ratio of 0.25, whereas Species B

has a ratio of 0.20. Based on the evidence discussed in the textbook, which of the following can one most likely conclude about these two species?

| | |
|---|--|
| <p>Species A's diet contains more fruit than Species B's diet.</p> | <p>Species B has higher intelligence than Species A.</p> |
| <p>Species A uses more extractive techniques to get food than Species B.</p> | <p>Species B lives in a smaller social group than Species A.</p> |
| <p>Species A has a larger brain relative to its body size than Species B.</p> | |

What theory is best

supported to explain why primates evolved such large brains?

| | |
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| <p>They tend to eat foods that are rich in protein, which can support expansive neural development.</p> | <p>They tend to eat fruit and need to be clever enough to remember where the fruit trees were that would be ripe at each point in the season.</p> |
| <p>They tend to eat foods that require ingenuity to extract, such as nuts and termites.</p> | <p>They tend to live in large social groups, which requires intelligence to function effectively.</p> |
| <p>The number of males and females is unequal, so individuals need to outsmart their competitors to attract mates.</p> | |

What is the main cost to humans for having large brains?

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| <p>Larger brains use less of the body's total metabolism than small brains.</p> | <p>Larger brains require large skulls.</p> |
| <p>Larger brains require large skulls.</p> | <p>Larger brains require an enormous amount of energy to function.</p> |
| <p>Larger brains require an enormous amount of energy to function.</p> | <p>Humans have become more sedentary and consume fewer calories due to having large brains.</p> |
| <p>Humans have become more sedentary and consume fewer calories due to having large brains.</p> | <p>Humans' brains constitute nearly 20% of their body weight, making neck pain a persistent problem.</p> |

o **o**

Humans' brains constitute nearly 20% of their body weight, making neck pain a persistent problem.

color=3D"#000000">Which of the following statements is FALSE? </p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 cellspacing=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo11;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Primate species that rely heavily on fruit in their diets have larger neocortex ratios than primate species that do not rely much on fruit. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo11;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Primates have larger brains as a function of their body weight than most other mammals. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo11;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Primate species with large social networks have larger neocortex ratios than those with smaller social networks. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo11;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Human brains require more caloric energy than the brains of most other species. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo11;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>All of the statements are true. </div></td></tr></table><p><o><p> </o><p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> <font

color=3D"#000000">Which of the following is direct evidence for the social brain hypothesis? </p><table class=3DMsoTableGrid border=3D0 cellspacing=3D0 cellpadding=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo12;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Humans outperform other primates in physical problem-solving tasks.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo12;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Species of whales and birds that are more social have smaller brains.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo12;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Humans have a large encephalization quotient.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo12;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Animals that are more social have fewer cognitive skills.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo12;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>As predicted by the neocortex ratio, the average human social group size in subsistence societies is around 150 members.</div></td></tr></table><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> <font

color=3D"#000000">You examine four newly discovered primate species that have the same body size and obtain the following data:

</p><p class=3DMsoNormal style=3D"font-size:12.0pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><table style=3D"text-align: center;" border=3D"2"><tr style=3D"font-weight: bold"><td></center> <center> </td> <td>Species<td> </td> </center><td><center>Brain volume without neocortex (cm^{3}</td> </center> <td><center> </td><td>Brain weight (g)<td> </td> </center> <td><center>Neocortex volume (cm^{3}</td> </center> <td><center> </td> </center> <center><tr><td> </td> <td> A</td> <td> </td> <td> 80</td> <td> </td> <td> 120</td> <td> </td> <td> 90</td> <td> </td> </tr> </center> <center><tr><td> </td> <td> B</td> <td> </td> <td> 25</td> <td> </td> <td> 95</td> <td> </td> <td> 84</td> <td> </td> </tr> </center> <center><tr><td> </td> <td> C</td> <td> </td> <td> 66</td> <td> </td> <td> 70</td> <td> </td> <td> 67</td> <td> </td> </tr> </center> <center><tr><td> </td> <td> D</td> <td> </td> <td> 22</td> <td> </td> <td> 86</td> <td> </td> <td> 84</td> <td> </td> </tr> </center> </center> <tr><td> </td> </tr></table> </p></p><p class=3DMsoNormal style=3D"font-size:12.0pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;">Based on these observations, what can you reasonably infer?</p></p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 cellspacing=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo13;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Species B has the largest encephalization quotient. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo13;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Species C deals with the highest levels of social complexity. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop

Species D and C have, respectively, the largest and the smallest neocortex ratios.

Species A has the largest neocortex ratio.

Species B and D have the same neocortex ratio.

After studying four species of newly discovered primates that have the same body size, the scientists obtained the following data:

| Species | Brain volume without neocortex (cm ³) | Brain surface area (cm ²) | Neocortex volume (cm ³) |
|---------|---|---------------------------------------|-------------------------------------|
| A | 80 | 120 | 90 |
| B | 25 | 86 | 84 |
| C | 66 | 134 | |

[illegible]

><p class=3D"MsoNormal" style=3D"font-size: 12pt; font-family: Arial, sans-serif; mso-para-margin-top: 0pt; mso-para-margin-bottom: 0pt; mso-add-space: 0;"> A 2.5-year-old human child, a chimpanzee, and an orangutan are presented with the same problem-solving task: they must figure out how to use a tool to reach the top of a cabinet and nudge a wooden block that will knock over a banana. Based on the findings of Herrmann and colleagues (2007), which of the three participants will outperform the others? </p><table class=3DMsoTableGrid border=3D0 cellspacing=3D0 cellpadding=3D0 style=3D"border-collapse: collapse; mso-table-layout-alt: auto; border: none; mso-yfti-tbllook: 1184; mso-padding-alt: 5.6pt 5.4pt 5.6pt 5.4pt; mso-border-insideh: none; mso-border-insidev: none"><tr style=3D"mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid"><td width=3D21 valign=3Dtop style=3D"width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo15; mso-level-numbering: restart; mso-level-reset-level: level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><div>the human child </div></td></tr><tr style=3D"mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid"><td width=3D21 valign=3Dtop style=3D"width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo15; mso-level-numbering: continue; mso-level-reset-level: level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><div>the chimpanzee </div></td></tr><tr style=3D"mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid"><td width=3D21 valign=3Dtop style=3D"width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo15; mso-level-numbering: continue; mso-level-reset-level: level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><div>the orangutan </div></td></tr><tr style=3D"mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid"><td width=3D21 valign=3Dtop style=3D"width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo15; mso-level-numbering: continue; mso-level-reset-level: level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><div>None will be able to complete the task. </div></td></tr><tr style=3D"mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid"><td width=3D21 valign=3Dtop style=3D"width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo15; mso-level-numbering: continue; mso-level-reset-level: level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt"><div>There will be no significant difference in performance across the three participants. </div></td></tr></table><p><o:p> </o:p></p>

style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> On Planet X, you observe that a primate-like species is undergoing rapid evolution, with their brains having grown significantly in volume. Based on the textbook's discussion about a similar process that took place in human evolution, what physiological changes to this alien species would you expect to accompany this growth in brain volume? Assume that body size has not changed. </p><table class=3DMsoTableGrid border=3D0 cellspacing=3D0 cellpadding=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo16;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>increased muscle mass</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo16;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>shorter fingers and limbs</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo16;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>increased energetic demands elsewhere on the body</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo16;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>increased encephalization quotient</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo16;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>lengthened digestive

After studying four species of Martian animals that have the same body size, the scientists obtained the following data:

| Species | Brain weight (g) | Neocortex volume (cm ³) | EQ |
|---------|------------------|-------------------------------------|-----|
| A | 120 | 120 | 67 |
| B | 86 | 23 | 125 |
| C | 134 | 95 | |
| D | | | |

Which species has the largest encephalization quotient (EQ)? (No calculator is needed.)

A

B

C

D

face="Arial"> </div></td></tr><tr style="mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=21 valign=top style="width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class="MsoListParagraph" style="margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo17;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=578 valign=top style="width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>D </div></td></tr><tr style="mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=21 valign=top style="width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class="MsoListParagraph" style="margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo17;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=578 valign=top style="width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>The answer cannot be determined from the available data. </div></td></tr></table><p><o:p> </o:p></p><li style="margin-bottom:12pt;mso-list:l2 level1"><p class="MsoNormal" style="font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> Among three newly discovered species of primates, Species A's diet is based fully on fruits, Species B's diet is based fully on food that requires extractive foraging methods, and Species C lives in highly social complex groups. Which species probably has the largest encephalization quotient (EQ)?</p><table class="MsoTableGrid" border=0 cellspacing=0 cellpadding=0 style="border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style="mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=21 valign=top style="width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class="MsoListParagraph" style="margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo18;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=578 valign=top style="width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Species A </div></td></tr><tr style="mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=21 valign=top style="width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class="MsoListParagraph" style="margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo18;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=578 valign=top style="width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Species B </div></td></tr><tr style="mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=21 valign=top style="width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class="MsoListParagraph" style="margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo18;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=578 valign=top style="width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Species C </div></td></tr></table></div></div></td></tr><tr style="mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-

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| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo18; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div><p style="font-family: Arial; font-size: 12pt; color: #000000;">All three species probably have the same EQ.</p></div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo18; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div><p style="font-family: Arial; font-size: 12pt; color: #000000;">The answer cannot be determined from the available information.</p></div> |

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| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo19; mso-level-numbering: restart; mso-level-reset-level: level1"> </p> | <div><p style="font-family: Arial; font-size: 12pt; color: #000000;">It is a complex conversion from an animal's intelligence quotient.</p></div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo19; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div><p style="font-family: Arial; font-size: 12pt; color: #000000;">It is the ratio of an animal's brain weight to the brain weight predicted for a comparable animal with the same body size.</p></div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo19; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div><p style="font-family: Arial; font-size: 12pt; color: #000000;">It is the ratio of an animal's brain weight to its body size.</p></div> |

<p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo19;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>It is the ratio of the volume of an animal's neocortex to the volume of its brain. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo19;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>It is the difference between the volume of an animal's brain and the volume of its neocortex.</div></td></tr></table><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> The encephalization quotient (EQ) is defined as </p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 cellspacing=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo20;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>an animal's brain weight.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo20;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>an animal's body mass.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo20;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>neocortex volume. </div></td></tr></table><p style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph

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| <p style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo20; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;"><p>an animal's brain weight relative to the predicted brain weight for a comparable animal of the same body size.</p></div> |
| <p style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo20; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;"><p>the ratio of an animal's neocortex volume relative to the volume of the rest of the brain.</p></div> |

- Which of the following is true regarding gene-culture coevolution?

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| <p style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo21; mso-level-numbering: restart; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;"><p>It describes how culture shapes the evolution of genes.</p></div> |
| <p style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo21; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;"><p>It describes how genes shape the evolution of culture.</p></div> |
| <p style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo21; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;"><p>It distinguishes the evolution of humans from the evolution of other species.</p></div> |

indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo21;mso-level-numbering:continue;mso-level-reset-level:level1">

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| <table border="1"><tr><td 5.4pt="" 5.4pt"><div><font="" 5.6pt="" above="" are="" color='3D"#000000"></td' correct.<="" face='3D"Arial"><font' font><="" font><font="" of="" span><="" style='3D"font-size:12pt"><font' the="" width:433.75pt;padding:5.6pt=""></td></tr></table> <p></div></td></tr></table><p><o:p>&nbsp;</o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3DMsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> Kaya is working on a science fair project to create a windmill. She has a choice between </p><p class=3DMsoNormal style=3D"font-size:12.0pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;">>joining Group A, with 11 other members, or Group B, with 2 other members. The group that </p></p><p class=3DMsoNormal style=3D"font-size:12.0pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;">creates the best windmill will receive a prize. According to research on cultural </p></p><p class=3DMsoNormal style=3D"font-size:12.0pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;">accumulation, which group should she join to get the best chance of winning the prize? </p></p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 cellspacing=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo22;mso-level-numbering:restart;mso-level-reset-level:level1">&nbsp;</p> <table border="1"><tr><td <="" 5.4pt="" 5.4pt"><div><font="" 5.4pt"><p="" 5.6pt="" a="" a,="" be="" because="" class="3DMsoListParagraph</td" color='3D"#000000">' div><="" ensure="" face='3D"Arial"><font' font><="" font><font="" imitate<="" is="" larger="" member="" models="" number="" of="" span><="" style='3D"width:20.95pt;padding:5.6pt' talented="" td><="" there="" to="" tr><tr="" valign="3Dtop" width="3D21" width:433.75pt;padding:5.6pt="" will=""></td></tr></table> | | |
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| <p>Group A, because members of the group can divide up responsibilities and each make a small part of the windmill very well</p> | <p>Group A, because competition among group members will motivate each individual to create a better windmill</p> | <p>Group B, because there will be less chance of fighting among group members</p> |
| <p>Group B, because free riding is more common in larger groups</p> | <p>According to Henrich's (2004) mathematical model, what happened to cultural knowledge in the case of eighteenth-century Tasmania?</p> | |
| <p>Cultural knowledge initially deteriorated due to an influx of outsiders into the population that diluted it; however, cultural knowledge later increased from population diversity.</p> | | |

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| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo23; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div><p style="font-family: Arial; font-size: 12pt; color: #000000;">Cultural knowledge deteriorated due to malnutrition, which reduced the neocortex ratio.</p></div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo23; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div><p style="font-family: Arial; font-size: 12pt; color: #000000;">Cultural knowledge deteriorated due to immigration, which created confusion as to what qualified as cultural knowledge.</p></div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo23; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div><p style="font-family: Arial; font-size: 12pt; color: #000000;">Cultural knowledge deteriorated because of population shrinkage, which led to a lack of skilled models for people to copy.</p></div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo23; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div><p style="font-family: Arial; font-size: 12pt; color: #000000;">Cultural knowledge initially increased due to immigration and population diversity; however, it later deteriorated because it is in the nature of cultural evolution that some cultural ideas fall out of favor in time.</p></div> |

<div>A small handful of engineers have decided to leave their original, larger group of engineers to start their own company in a location that is very isolated from outside influence. According to Henrich's mathematical model, what will be the likely trajectory of technology produced by this group? </p></div>

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| <p>width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>cultural technology that is the same as the larger group</div></td><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo24;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p> | <p>width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>more advanced cultural technology that ratcheted up from increased group cohesion among this isolated group</div></td><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo24;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p> | <p>width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>more advanced cultural technology that is entirely unique from the technology of the original group of engineers</div></td><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo24;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p> | <p>width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>deteriorated cultural technology because of a lack of skilled models in the isolated group</div></td><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo24;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p> | <p>width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>drastically deteriorated cultural technology because of intense relational conflicts in small groups</div></td></tr></table><p><o:p>&nbsp;</o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;">Which of the following (historically inaccurate) examples best demonstrates the process of the ratchet effect?</p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 cellspacing=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph</p> |
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| <p>Kesha brushes her teeth with a bottle of whiskey, but Lady Gaga gives her a tube of toothpaste because it cleans teeth better.</p> | <p>Wolverine and Thor independently create the first hammers. Wolverine's hammer is simply a rock, whereas Thor's hammer has a metal head and a long handle.</p> |
| <p>Serena Williams demonstrates how to use a tennis racquet to hit a ball, and everyone then tries to figure out how the racquet can be used to hit a ball.</p> | <p>Marx creates a new political ideology, Lenin builds on that ideology, and Stalin further expands on it.</p> |
| <p>Tiger Woods demonstrates how to use a golf club to hit a ball, and everyone mimics Tiger's movements with his or her golf club.</p> | |

Which of the following is true about scaffolding?

insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo26;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>It occurs more commonly in WEIRD societies than in East Asian societies.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo26;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>It is more explicitly communicated in small-scale societies than in WEIRD societies.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo26;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>It involves teaching the complexity of the task by listing as many steps as possible.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo26;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>It can be demonstrated indirectly or communicated explicitly.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo26;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>It involves both prestige bias and similarity bias.</div></td></tr></table><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;">Pavel teaches his daughter to brush her teeth by having her watch him as he brushes his and telling her, "First, you hold your toothbrush in one hand. Second, you put a little bit of toothpaste on the brush. Third, you wet the toothbrush and put it in your mouth. Last, you move the brush in a circular motion to clean your teeth."■ Which of the following describes the method Pavel is using to teach his daughter?

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| <p class="list-item-l1">scaffolding</p> | <p class="list-item-l1">emulation</p> |
| <p class="list-item-l1">mentalizing</p> | <p class="list-item-l1">the ratchet effect</p> |
| <p class="list-item-l1">conformist transmission</p> | <p class="list-item-l1">Which of the following best describes mentalizing?</p> |

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| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo28; mso-level-numbering: restart; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;">considering other people’s goals</div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo28; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;">thinking about what someone else might want</div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo28; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;">thinking about what someone’s preferences are</div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo28; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;">being able to understand other people’s intentions for their behavior</div> |
| <p class="MsoListParagraph" style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo28; mso-level-numbering: continue; mso-level-reset-level: level1"> </p> | <div style="font-family: Arial; font-size: 12pt; color: #000000;">all of the above</div> |

- <div> A child observes a model using a new tool to crack open an acorn. The child does not copy exactly what the model does, nor does he understand that the model wanted to crack acorns. The child simply sees that the tool can be used to crack acorns and tries to figure out on his own how to use the tool for that purpose. What is the child exhibiting? </p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 cellspacing=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-

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| <p>simple mimicry</p> | <p>observational learning</p> |
| <p>emulative learning</p> | <p>theory of mind</p> |
| <p>imitative learning</p> | |

- Emulative and imitative learning can be contrasted in that

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5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo30;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>in the short term, imitative learning leads to better solutions than emulative learning. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo30;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>chimpanzees can perform well at tasks involving imitative learning, but not at tasks involving emulative learning.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo30;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>emulative learning does not require imitating a model's behavioral strategies. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo30;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>emulative learning is a necessary precondition for cultural accumulation. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo30;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>2-year-old children tend to solve tasks with emulative learning of behavioral strategies, whereas 1-year-olds do not.</div></td></tr></table><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> Which of the following statements is true regarding chimpanzees living in the wild? </p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 cellspacing=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-

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| <p>They show less evidence of mentalizing than chimpanzees that have been raised with humans.</p> |
| <p>They communicate with a vocabulary of about 60 recognizable words.</p> |
| <p>They bring others to locations so that they can observe things there.</p> |
| <p>They are able to imagine others's intentions, just like chimps raised with humans.</p> |
| <p>They do not show emulative learning abilities.</p> |

- An infant of Species X sees a model use a new tool to achieve a goal. Which of the following demonstrates that the infant is engaging in imitative learning?

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| <p>inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo32;mso-level-numbering:restart;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>When given the tool, the infant figures out on his own how to use the tool to achieve the same goal. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo32;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>The infant tries to determine which of the model's actions was most relevant in using the new tool to achieve the goal. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo32;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>When given the tool, the infant mimics exactly how the model used the tool. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo32;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>The infant stares blankly at the model. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo32;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>The infant tries to determine what it is about the tool that allowed the model to achieve the goal. </div></td></tr></table><p>&nbsp;</p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> An infant of Species X sees a model use a new tool to achieve a goal. Which of the following scenarios best demonstrates that the infant is engaging in emulative learning? </p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 cellspacing=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-</p> |
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| <p>The infant tries to determine the model's intent in using the tool in a specific way.</p> <p>The infant tries to determine what the model liked best about the tool.</p> <p>When given the tool, the infant figures out on her own how to use the tool to achieve the same goal.</p> <p>When given the tool, the infant mimics exactly how the model used the tool to achieve the goal.</p> <p>The infant stares blankly at the model.</p> |
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Which of the following children demonstrates mentalizing?

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| <p style="margin-left: 7.1pt; text-indent: -7.1pt;">inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo34;mso-level-numbering:restart;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>a child who hides his toys so his mother will not find them</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo34;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>a child who likes to ride the family dog like a rodeo bull</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo34;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>a child who assumes that everyone knows everything she knows</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo34;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>a child who first watches her brother turn the doorknob gently to open the closet and then pulls the doorknob as hard as she can to force the closet door open</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo34;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>a child who spends a long time deciding between two outfits in the morning</div></td></tr></table><p><o:p>&nbsp;</o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> Homer sharpens a rock and uses it to shave. Schick adds a handle to the rock for better grip. Gillette then changes the rock to a titanium blade for durability. The progression of improvements made to the shaving utensil is an example of </p><table class=3DMsoTableGrid border=3D0 cellspacing=3D0 cellpadding=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-</p> |
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| <p>tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo35;mso-level-numbering:restart;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>cultural adaptation. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo35;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>emulative learning. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo35;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>the eureka effect. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo35;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>cultural bootstrapping. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo35;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>the ratchet effect. </div></td></tr></table><p><o:p>&nbsp;</o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> A team of scientists observes that a new species (Species X) tends not to copy exactly how a model uses a new tool; instead, species members are very adept at figuring out on their own how to best use the tool. Conversely, another new species (Species Y) does tend to copy exactly how a model uses a new tool, paying attention to the model's behavioral strategies. Based on this observation, what trajectory should we expect each species&#x2013;respective cultural development to be like? </p></table></p> |
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| <p>Species X will likely not have cumulative culture and Species Y will likely have cumulative culture.</p> <p>Species X will likely have cumulative culture and Species Y will likely not have cumulative culture.</p> <p>Both species will likely have cumulative culture.</p> <p>Neither species will likely have cumulative culture.</p> | <p>Species X will likely not have cumulative culture and Species Y will likely have cumulative culture.</p> <p>Species X will likely have cumulative culture and Species Y will likely not have cumulative culture.</p> <p>Both species will likely have cumulative culture.</p> <p>Neither species will likely have cumulative culture.</p> |
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The scientists's observations have no relationship to accumulation of culture.

Imitative learning is best defined as

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| <p>width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo37;mso-level-numbering:restart;mso-level-reset-level:level1">&nbsp;</p><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>cultural learning. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo37;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>requiring internalization of the modelâ€™s goals. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo37;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>figuring out how to use an object to change the state of the environment. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo37;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>attending to relevant steps in a process. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo37;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>copying the parts of a modelâ€™s behavior that the learner likes best. </div></td></tr></table><p><o:p>&nbsp;</o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> How does similarity bias compare to conformist transmission? </p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-</p> |
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| <p>Both focus on learning from similar others.</p> | <p>Both assume it is better to learn from a highly respected source.</p> |
| <p>Only conformist transmission focuses on how common a behavior is in a group of people.</p> | <p>Only similarity bias involves learning from others.</p> |
| <p>Neither involves imitation.</p> | <p>Brent visits a new restaurant and notices that almost all the other customers ordered an appetizer dish that comes on a sizzling platter. Only one table ordered an appetizer that didn't come on a sizzling platter. When the waiter comes to take Brent's order, what will he choose, according to conformist transmission?</p> |

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| <p>padding: 5.6pt 5.4pt 5.6pt 5.4pt; mso-border-insideh: none; mso-border-insidev: none;"><tr style="mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid;"><td width=21 valign=top style="width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><p class=MsoListParagraph style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo39; mso-level-numbering: restart; mso-level-reset-level: level1">&nbsp;</p></td><td width=578 valign=top style="width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><div>an appetizer dish that does not come on a sizzling platter</div></td></tr><tr style="mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid;"><td width=21 valign=top style="width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><p class=MsoListParagraph style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo39; mso-level-numbering: continue; mso-level-reset-level: level1">&nbsp;</p></td><td width=578 valign=top style="width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><div>an appetizer dish that comes on a sizzling platter</div></td></tr><tr style="mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid;"><td width=21 valign=top style="width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><p class=MsoListParagraph style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo39; mso-level-numbering: continue; mso-level-reset-level: level1">&nbsp;</p></td><td width=578 valign=top style="width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><div>two appetizers: one on a sizzling platter and one not on a sizzling platter</div></td></tr><tr style="mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid;"><td width=21 valign=top style="width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><p class=MsoListParagraph style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo39; mso-level-numbering: continue; mso-level-reset-level: level1">&nbsp;</p></td><td width=578 valign=top style="width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><div>a main dish not on a sizzling platter and no appetizers.</div></td></tr><tr style="mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-inside: avoid;"><td width=21 valign=top style="width: 20.95pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><p class=MsoListParagraph style="margin-left: 7.1pt; mso-add-space: auto; text-indent: -7.1pt; mso-text-indent-alt: 0cm; mso-list: l1 level1 lfo39; mso-level-numbering: continue; mso-level-reset-level: level1">&nbsp;</p></td><td width=578 valign=top style="width: 433.75pt; padding: 5.6pt 5.4pt 5.6pt 5.4pt;"><div>a main dish on a sizzling platter and no appetizers.</div></td></tr></table><p><o:p>&nbsp;</o:p></p><li style="margin-bottom: 12pt; mso-list: l2 level1"><p class=MsoNormal style="font-size: 12pt; font-family: Arial, sans-serif; mso-para-margin-top: 0pt; mso-para-margin-bottom: 0pt; mso-add-space: 0;"> What is the difference between prestige bias and similarity bias? </p><table class=MsoTableGrid border=0 cellspacing=0 cellpadding=0 style="border-collapse: collapse; mso-table-layout-alt: auto; border: none; mso-yfti-tbllook: 1184; mso-padding-alt: 5.6pt 5.4pt 5.6pt 5.4pt; mso-border-insideh: none; mso-border-insidev: none;"><tr style="mso-yfti-irow: 0; mso-yfti-firstrow: yes; page-break-</p> |
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| <p>inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo40;mso-level-numbering:restart;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Prestige bias focuses on others who are highly respected, and similarity bias focuses on others who are not highly respected.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo40;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Similarity bias focuses on others who are highly respected, and prestige bias focuses on others who are not highly respected.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo40;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Prestige bias focuses on others who are highly respected, and similarity bias focuses on others who are similar to ourselves.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo40;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Similarity bias focuses on others who are highly respected, and prestige bias focuses on others who are similar to ourselves.</div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo40;mso-level-numbering:continue;mso-level-reset-level:level1">&nbsp;</p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>Prestige bias focuses on others who make the most money, and similarity bias focuses on others who are similar to our favorite celebrities.</div></td></tr></table><p><o:p>&nbsp;</o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;">According to prestige bias, humans will tend to </p><table class=3DMsoTableGrid border=3D0 cellpadding=3D0</p> |
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cellpadding=3D0 style=3D"border-collapse:collapse;mso-table-layout-alt:auto;border:none;mso-yfti-tbllook:1184;mso-padding-alt:5.6pt 5.4pt 5.6pt 5.4pt;mso-border-insideh:none;mso-border-insidev:none"><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo41;mso-level-numbering:restart;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>imitate another person who has skills and is highly respected, but only for the domain in which that person has talent. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo41;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>imitate another person who has skills and is highly respected, regardless of whether the domain of imitation is relevant to that person's talent. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo41;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>emulate another person who has skills and is highly respected, but only for the domain in which that person has talent. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo41;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>emulate another person who has skills and is highly respected, regardless of whether the domain of emulation is relevant to that person's talent. </div></td></tr><tr style=3D"mso-yfti-irow:0;mso-yfti-firstrow:yes;page-break-inside:avoid"><td width=3D21 valign=3Dtop style=3D"width:20.95pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><p class=3DMsoListParagraph style=3D"margin-left:7.1pt;mso-add-space:auto;text-indent:-7.1pt;mso-text-indent-alt:0cm;mso-list:l1 level1 lfo41;mso-level-numbering:continue;mso-level-reset-level:level1"> </p></td><td width=3D578 valign=3Dtop style=3D"width:433.75pt;padding:5.6pt 5.4pt 5.6pt 5.4pt"><div>imitate people who are talented and emulate people who are not talented. </div></td></tr></table><p><o:p> </o:p></p><li style=3D"margin-bottom:12pt;mso-list:l2 level1"><p class=3D"MsoNormal" style=3D"font-size:12pt;font-family:Arial,sans-serif;mso-para-margin-top:0pt;mso-para-margin-bottom:0pt;mso-add-space:0;"> Which of the following best

explains both prestige bias and similarity bias?

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| <p>Humans frequently engage in emulative learning.</p> | <p>Humans frequently engage in emulative learning.</p> |
| <p>Humans just love to learn.</p> | <p>Humans just love to learn.</p> |
| <p>Humans frequently engage in imitative learning.</p> | <p>Humans frequently engage in imitative learning.</p> |
| <p>Humans have large neocortices.</p> | <p>Humans have large neocortices.</p> |
| <p>Humans have a small encephalization quotient.</p> | <p>Humans have a small encephalization quotient.</p> |

If a child wants to be a great basketball player and chooses to learn from LeBron James as a prestigious model, what aspect(s) of

James is the child most likely to imitate, according to the prestige bias?

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| <p>LeBron James's playing style during a basketball game</p> | <p>LeBron James's choice of sneakers when he plays</p> |
| <p>LeBron James's off-court workout program</p> | <p>LeBron James's off-court workout</p> |
| <p>everything that LeBron James does, both related and unrelated to basketball</p> | <p>everything that LeBron James does, both related and unrelated to basketball</p> |

Which of the following provides evidence of culture in nonhuman animals?

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| <p>Nonhuman primates use symbolic coding.</p> | <p>Killer whales show mentalizing abilities.</p> |
| <p>Chimpanzees show prestige bias, similar to humans.</p> | <p>Chimpanzees show good emulative learning compared with humans, and each subsequent generation of chimpanzees shows better emulative learning than the previous generation.</p> |
| <p>There are behaviors that are common in chimpanzees in one location but absent from chimpanzees in another location.</p> | |

- There are behaviors that are common in chimpanzees in one location but absent from chimpanzees in another location.

Is culture among

chimpanzees

yes, because chimpanzees use mentalizing as much as humans

no, because chimpanzees have excellent working memory

no, because chimpanzees are incapable of cultural transmission

no, because chimpanzees are a nonsocial species

no, because chimpanzees perform poorly when it comes to imitative learning

<p style=3D"padding-left: 2.5em; font-weight: 700; line-height: 1.25; padding-right: 2.5em; margin-bottom:12.0pt; font-size:14.0pt;font-family:Arial,sans-serif;">

Answer Key</p>

<div>

<p class=3DMsoNormal>chapter 2<o:p></o:p></p>

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color=3D"#000000">Studentsâ€™ figures should look similar to Figure 2.6 from the textbook.
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