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Chapter 02 - Physicte Strebassks fund de met h Ratsion 6 - world-regional-geography-4e-hobbs

True / False

1. The scientific community was initially unwilling to accept Alfred Wegener's continental drift hypothesis because he could not explain how continents moved.

a. Trueb. False

ANSWER: True POINTS: 1

REFERENCES: 2.1 Geologic Processes and Landforms

QUESTION TYPE: True / False
HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.1 - Understand the tectonic forces behind some of the world's major

VES: landforms and natural hazards

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/10/2015 7:24 AM *DATE MODIFIED:* 12/15/2015 2:49 AM

2. The globe's most active and deadly realm of tectonic activity is the so-called Mid-Atlantic Ring of Fire.

a. Trueb. False

ANSWER: False

RATIONALE: The globe's most active and deadly realm of tectonic activity is the so-called Ring of Fire

on the rim of the Pacific Ocean.

POINTS: 1

REFERENCES: 2.1 Geologic Processes and Landforms

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTFWRG.HOBB.17.2.1 - Understand the tectonic forces behind some of the world's major landforms

IVES: and natural hazards
 KEYWORDS: Bloom's: Remember
 DATE CREATED: 12/10/2015 7:26 AM
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3. Earthquakes, the emergence of new landforms, and other geologic events occur in places where sections of Earth's crust are in contact with each other, also known as plate boundaries.

a. Trueb. False

ANSWER: True POINTS: 1

REFERENCES: 2.1 Geologic Processes and Landforms

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.1 - Understand the tectonic forces behind some of the world's major

VES: landforms and natural hazards

KEYWORDS: Bloom's: Remember

DATE CREATED: 12/10/2015 7:28 AM DATE MODIFIED: 12/15/2015 2:49 AM

4. Precipitation results from processes that warm the air, since warm air holds less moisture than cool air.

True a. b. False

ANSWER: False

RATIONALE: Warm air holds more moisture than cool air, and precipitation—rain, snow, sleet, and hail—

results from processes that cool the air to release moisture.

POINTS:

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJE FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation types

CTIVES: and climate

KEYWORDS: Bloom's: Understand DATE CREATED: 12/10/2015 7:29 AM DATE MODIFIED: 12/15/2015 2:49 AM

5. In the Köppen Climate classification system, climate zones are delineated based on types of vegetation and amount of sunlight received.

> True a. False b.

ANSWER: False

RATIONALE: Köppen's climate types are based on measurements of monthly and yearly temperatures

and precipitation.

POINTS:

REFERENCES: 2.2 Patterns of Climate and Vegetation

True / False *QUESTION TYPE:*

HAS VARIABLES: False

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

types and climate ES:

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 7:30 AM DATE MODIFIED: 12/15/2015 2:49 AM

6. There is a high degree of correlation between biomes and climate types.

True a. False b.

ANSWER: True **POINTS:**

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

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ES: types and climate

KEYWORDS: Bloom's: Remember

DATE CREATED: 12/10/2015 7:31 AM

DATE MODIFIED: 12/15/2015 2:49 AM

7. Surprisingly, the highest levels of biodiversity are found in the subarctic and polar biomes.

a. Trueb. False

ANSWER: False

RATIONALE: The highest biodiversity in the world is found in the tropical and subtropical moist

broadleaf forest biome.

POINTS:

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

ES: types and climate

KEYWORDS: Bloom's: Remember *DATE CREATED*: 12/10/2015 7:32 AM *DATE MODIFIED*: 12/15/2015 2:49 AM

8. Earth's surface is approximately 50% land and 50% water.

a. Trueb. False

ANSWER: False

RATIONALE: About 70 percent of the world's surface is comprised of water.

POINTS: 1

REFERENCES: 2.4 The World's Oceans

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

 KEYWORDS:
 Bloom's: Remember

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 DATE MODIFIED:
 12/15/2015 2:49 AM

9. IPCC is an acronym that stands for International Policy on Climate Change.

a. True

b. False

ANSWER: False

RATIONALE: IPCC is an acronym that stands for Intergovernmental Panel on Climate Change.

POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them KEYWORDS: Bloom's: Remember

DATE CREATED: 12/10/2015 7:35 AM DATE MODIFIED: 12/15/2015 2:49 AM

10. Recent global warming has been caused by human production of greenhouse gasses.

a. True

b. False

ANSWER: True POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 7:36 AM 12/15/2015 2:49 AM

11. The impacts of climate change are expected to be greatest in the polar regions.

a. True

b. False

ANSWER: True POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them KEYWORDS: Bloom's: Remember

DATE CREATED: 12/10/2015 7:38 AM
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12. The Montreal Protocol calls for actions to limit future warming of the atmosphere to no more than 2° C.

a. True

b. False

ANSWER: False

RATIONALE: Thanks to the Montreal Protocol and its amendments, signed by 37 countries in the late

1980s, the production of CFCs worldwide was reduced in phases to zero by 2010.

POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJE FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

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CTIVES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 7:40 AM DATE MODIFIED: 12/15/2015 2:49 AM

13. Weather and climate both refer to atmospheric conditions for a place, the key difference in the two is timespan.

a. True

b. False

ANSWER: True POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 7:41 AM DATE MODIFIED: 12/15/2015 2:49 AM

14. The term climate type and biome are interchangeable or synonymous.

a. Trueb. False

ANSWER: False

RATIONALE: Geographers recognize ten to twenty major types of terrestrial ecosystems called biomes.

Biomes take into account the natural vegetation of an area where climate types do not.

POINTS: 1

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJE FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation types

CTIVES: and climate

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 7:43 AM DATE MODIFIED: 12/15/2015 2:49 AM

15. Mangroves are salt-water swamps that protect coastlines from erosion.

a. Trueb. False

ANSWER: True POINTS: 1

REFERENCES: 2.2 Patterns of Climate and Vegetation

OUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

ES: types and climate

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 7:45 AM DATE MODIFIED: 12/15/2015 2:49 AM

16. Monocultures increase the biodiversity of a land area.

True a. b. False

ANSWER: False

RATIONALE: Monocultures are single crop plantings and reduce the natural diversity of crop varieties.

POINTS:

2.3 Biodiversity *REFERENCES*: QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJE FWRG.HOBB.17.2.3 - Identify the natural areas most threatened by human activity and explain how

natural habitat loss may endanger human welfare CTIVES:

а.

Bloom's: Understand KEYWORDS: DATE CREATED: 12/10/2015 7:46 AM DATE MODIFIED: 12/15/2015 2:49 AM

17. The Green Revolution puts more food on the global table as it increases the diversity of crop varieties that are planted.

True

b. False

ANSWER: False

RATIONALE: In evolutionary terms, the Green Revolution has reduced the natural diversity of crop

varieties that allows nature and farmer to turn to alternatives when adversity strikes.

POINTS:

REFERENCES: 2.3 Biodiversity OUESTION TYPE: True / False HAS VARIABLES: False

LEARNING OBJE FWRG.HOBB.17.2.3 - Identify the natural areas most threatened by human activity and explain how

CTIVES: natural habitat loss may endanger human welfare

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 7:48 AM DATE MODIFIED: 12/15/2015 2:49 AM

18. The hydrologic cycle, powered by tidal forces and gravity, is the process that moves water between the oceans, the sky, and the land.

a. True False b.

ANSWER: False

RATIONALE: Oceans have the largest role in the hydrologic cycle, which is the process, powered by the

sun's energy that moves water between the oceans, the sky, and the land.

POINTS: 1

REFERENCES: 2.4 The World's Oceans

OUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJE FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

CTIVES:

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 7:49 AM DATE MODIFIED: 12/15/2015 2:49 AM

19. The collapse of fisheries is most noticeable among the smaller fish that are consumed by larger predatory fish, such as sharks and tuna.

a. True

b. False

ANSWER: False

RATIONALE: The decline of fish species are most extreme among stocks of large predatory fish like

sharks, tuna, and swordfish.

POINTS: 1

REFERENCES: 2.4 The World's Oceans

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

VES:

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
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20. The demand for seafood, although high, has not changed much since 1980.

a. True

b. False

ANSWER: False

RATIONALE: The demand for seafood has grown over forty percent since 1980.

POINTS: 1

REFERENCES: 2.4 The World's Oceans

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
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21. Unless major steps are taken quickly in ocean preservation and fishing limits, it is predicted that there will be a "global collapse" of all species currently fished by the year 2050.

a. True

b. False

ANSWER: True POINTS: 1

REFERENCES: 2.4 The World's Oceans

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
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 DATE MODIFIED:
 12/15/2015 2:49 AM

22. Most heat absorbed by Earth will escape to space via the buildup of greenhouse gasses.

a. Trueb. False

ANSWER: False

RATIONALE: Most heat absorbed by Earth will be emitted to the atmosphere, absorbed by greenhouse

gasses and radiated back to Earth.

POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTFWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

IVES: efforts to prevent themKEYWORDS: Bloom's: RememberDATE CREATED: 12/10/2015 7:55 AM

DATE MODIFIED: 12/15/2015 2:49 AM

23. Carbon dioxide is primarily released to the atmosphere from rice paddies, the guts of ruminating animals, and thawing permafrost.

a. Trueb. False

ANSWER: False

RATIONALE: Methane is primarily released to the atmosphere from rice paddies, the guts of ruminating

animals, and thawing permafrost.

POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJEC FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

TIVES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 7:56 AM

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24. Potential evaporation, a measure of how much water would be evaporated in a given area if there was unlimited available water, is highest in the colder, upper latitudes.

a. True

b. False

ANSWER: False

Potential evaporation, a measure of how much water would be evaporated in a given area, if RATIONALE:

there was unlimited available water, is highest in the warmer, lower latitudes.

POINTS:

REFERENCES: 2.2 Patterns of Climate and Vegetation

OUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJE FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation types

and climate CTIVES:

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 8:03 AM DATE MODIFIED: 12/15/2015 2:49 AM

25. Polar latitudes receive less rainfall than equatorial latitudes.

True

False b.

ANSWER: True **POINTS:**

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: True / False

False HAS VARIABLES:

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

ES: types and climate KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 8:10 AM

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Multiple Choice

26. Which climate type commonly found along coastlines is characterized by mild winters and hot summers with little to no precipitation?

> a. tropical savanna

Mediterranean h.

oceanic c.

humid subtropical d.

humid continental e.

ANSWER: b **POINTS**: 1

REFERENCES: 2.2 Patterns of Climate and Vegetation

Multiple Choice *QUESTION TYPE:*

HAS VARIABLES:

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

ES: types and climate

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 8:11 AM DATE MODIFIED: 12/15/2015 2:49 AM

27. What factor most influences the distribution of vegetation around the world?

a. evaporation

b. longitude

c. climate

d. seismic activity

e. weather

ANSWER: c
POINTS: 1

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

ES: types and climate

 KEYWORDS:
 Bloom's: Remember

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28. What criteria do scientists use to group biomes of various vegetation together?

a. temperature and precipitation

b. topography

c. plant structure, water requirements, and leaf types

d. degree of urbanization

e. climate

ANSWER: c
POINTS: 1

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

ES: types and climate

KEYWORDS: Bloom's: Understand *DATE CREATED*: 12/10/2015 8:17 AM *DATE MODIFIED*: 12/15/2015 2:49 AM

29. In which biome is the highest biodiversity found?

a. mangroves

b. boreal forest

c. temperate broadleaf and mixed forests

d. tropical and subtropical dry broadleaf forest

e. tropical and subtropical moist broadleaf forest

ANSWER: e

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

ES: types and climate

 KEYWORDS:
 Bloom's: Remember

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30. Which biome lacks trees, has widespread permafrost, and is the coldest on Earth?

a. tundrab. cryospherec. temperated. taiga

e. xeric shrublands

ANSWER: a POINTS: 1

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation

ES: types and climate

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 10:41 PM DATE MODIFIED: 12/15/2015 2:49 AM

31. What is the main energy source for the hydrologic cycle?

a. evaporative coolingb. greenhouse effect

c. gravityd. solar energye. natural gas

ANSWER: d
POINTS: 1

REFERENCES: 2.4 The World's Oceans

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
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32. What is the cultivation of aquatic organisms for food called?

a. monocultureb. marine tilling

c. marine harvestingd. aquaculturee. sea reaping

ANSWER: d POINTS: 1

REFERENCES: 2.4 The World's Oceans

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
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- 33. What term describes the number of plant and animal species present along with the variety of genetic material present in these organisms?
 - a. biodiversityb. biomes
 - c. bioculture
 - d. biodiversity hotspot
 - e. biozone

ANSWER: a POINTS: 1

REFERENCES: 2.3 Biodiversity QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJE FWRG.HOBB.17.2.3 - Identify the natural areas most threatened by human activity and explain how

CTIVES: natural habitat loss may endanger human welfare

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/10/2015 10:46 PM *DATE MODIFIED:* 12/15/2015 2:49 AM

- 34. Ninety percent of global trade occurs via sea freight because .
 - a. sea freight is safer
 - b. air freight is more expensive
 - c. sea freight saves time
 - d. air freight contributes more to global warming
 - e. sea freight creates more jobs

ANSWER: b
POINTS: 1

REFERENCES: 2.4 The World's Oceans

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

KEYWORDS: Bloom's: Understand

DATE CREATED: 12/10/2015 10:48 PM DATE MODIFIED: 12/15/2015 2:49 AM

35. Which greenhouse gas is released to the atmosphere from the burning of coal, oil, and natural gas?

a. carbon dioxide

b. methane

c. nitrous oxide

d. chlorofluorocarbons

e. ozone

ANSWER: a POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 10:49 PM

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36. The IPCC estimates that, at best, Earth's average global temperature will rise by how much more?

a. $1^{\circ} F - 2^{\circ} F$

b. $2^{\circ} \text{ F} - 7^{\circ} \text{ F}$

c. $5^{\circ} \text{ F} - 7^{\circ} \text{ F}$

d. 5° F – 10° F

T 1 10T

e. Less than 1°F

ANSWER: b
POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them

 KEYWORDS:
 Bloom's: Remember

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37. When sea ice melts, the darker ocean surface that is revealed absorbs more solar radiation, which in turn causes warming and melts more ice, which in turn creates a greater area of darker ocean surface. What is this process called?

a. polar amplification

b. negative feedback loop

c. tipping point

d. climatic cycling

e. polar oscillations

ANSWER: a

POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them

 KEYWORDS:
 Bloom's: Remember

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- 38. Mitigation is one approach to reduce the unavoidable impacts of climate change in the long term. What is one mitigation strategy?
 - a. building sea walls and dikes
 - b. relocating people
 - c. developing new crop varieties
 - d. establishing a recycling program
 - e. implement cap and trade programs

ANSWER: e
POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/10/2015 10:54 PM *DATE MODIFIED:* 12/15/2015 2:49 AM

- 39. Which country never ratified the Kyoto Protocol?
 - a. China
 - b. India
 - c. France
 - d. Russia
 - e. United States

ANSWER: e
POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
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Chapter 02 - Physical	Processes and World Regions
40. Which climate chan below 1990 levels?	age treaty committed the countries that signed and ratified it to reducing carbon dioxide emissions
a. Montreal Pr	rotocol
b. United Nati	ions Framework Convention on Climate Change
c. Kyoto Proto	ocol
d. Montreal A	greement
e. Clean Deve	elopment Mechanism
ANSWER:	c
POINTS:	1
REFERENCES:	2.5 Global Climate Change
QUESTION TYPE:	Multiple Choice
HAS VARIABLES:	False
	FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international efforts to prevent them
KEYWORDS:	Bloom's: Remember
DATE CREATED:	12/10/2015 10:57 PM
DATE MODIFIED:	12/15/2015 2:49 AM
41. Which layer of Eart	th is divided into tectonic plates?
a.	1
b.	1
c.	mantle
d.	inner core
e.	outer core
ANSWER:	a
POINTS:	1
REFERENCES:	2.1 Geologic Processes and Landforms
QUESTION TYPE:	Multiple Choice
HAS VARIABLES:	False
	FWRG.HOBB.17.2.1 - Understand the tectonic forces behind some of the world's major landforms and natural hazards
KEYWORDS:	Bloom's: Remember
DATE CREATED:	12/10/2015 10:59 PM
DATE MODIFIED:	12/15/2015 2:49 AM
mantle at	te a "conveyor belt," with new material created at, and old material recycled back into the es; subduction zones

- b. mid-ocean ridges; subduction zones
- c. convergent boundaries; subduction zones
- d. subduction zones; mid-ocean ridges
- e. mid-ocean ridges; rift zones

ANSWER: b POINTS: 1

REFERENCES: 2.1 Geologic Processes and Landforms

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.1 - Understand the tectonic forces behind some of the world's major

VES: landforms and natural hazards

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/10/2015 11:01 PM *DATE MODIFIED:* 12/15/2015 2:49 AM

43. All oceans, ice, and freshwater sources are included in Earth's . .

a. lithosphereb. hydrospherec. biosphered. atmosphere

e. exosphere

ANSWER: b
POINTS: 1

REFERENCES: 2.1 Geologic Processes and Landforms

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.1 - Understand the tectonic forces behind some of the world's major

VES: landforms and natural hazards

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/10/2015 11:04 PM *DATE MODIFIED:* 12/15/2015 2:49 AM

44. What is the natural capture and long-term storage of carbon in sinks such as forests, farmlands, and oceans called?

a. cap and trade

b. carbon sequestration

c. environmental degradation

d. clean development mechanism

e. carbon scrubbing

ANSWER: b
POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
 12/10/2015 11:06 PM

 DATE MODIFIED:
 12/15/2015 2:49 AM

45. Which two countries emit approximately 40% of all the world's carbon dioxide?

a. United States and Russia

b. United States and Germany

c. United States and China

d. China and Russia

e. China and India

ANSWER: c
POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
 12/10/2015 11:08 PM

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Completion

46. The theoretical point at which an impact becomes irreversible is known as a(n)

ANSWER: tipping point

POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Completion

HAS VARIABLES: False STUDENT ENTRY MO Basic

DE:

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 11:09 PM

DATE MODIFIED: 12/15/2015 2:49 AM

47. Places on Earth that are both biologically rich and deeply threatened by human activities are known as ______, which scientists believe deserve immediate attention for study and conservation.

ANSWER: biodiversity hotspots

POINTS: 1

REFERENCES: 2.3 Biodiversit QUESTION TYPE: Completion

HAS VARIABLES: False STUDENT ENTRY Basic

MODE:

LEARNING OBJE FWRG.HOBB.17.2.3 - Identify the natural areas most threatened by human activity and explain how

CTIVES: natural habitat loss may endanger human welfare

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 11:12 PM DATE MODIFIED: 12/15/2015 2:49 AM

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international VES: efforts to prevent them

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/10/2015 11:13 PM *DATE MODIFIED:* 12/15/2015 2:49 AM

49. IPCC scientists argue that where possibly dangerous, irreversible, or catastrophic events are involved, policy should be based on the ______, which states adverse events should be preempted by action.

ANSWER: precautionary principle

POINTS: 1

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Completion HAS VARIABLES: False

STUDENT ENTRY MOBasic

DE:

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them KEYWORDS: Bloom's: Remember

DATE CREATED: 12/10/2015 11:16 PM
DATE MODIFIED: 12/15/2015 2:49 AM

50. The tectonic process of one plate "diving" beneath another is called . .

ANSWER: subduction

POINTS: 1

REFERENCES: 2.1 Geologic Processes and Landforms

QUESTION TYPE: Completion

HAS VARIABLES: False STUDENT ENTRY MO Basic

DE:

LEARNING OBJECTI FWRG.HOBB.17.2.1 - Understand the tectonic forces behind some of the world's major

VES: landforms and natural hazards

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/10/2015 11:17 PM *DATE MODIFIED:* 12/15/2015 2:49 AM

51. Phenomena such as floods, tornadoes, and volcanic eruptions are some of Earth's ______, defined as those elements of the physical environment, harmful to people and caused by forces extraneous to them.

ANSWER:	natural hazards
POINTS:	1
REFERENCES:	2.1 Geologic Processes and Landforms
QUESTION TYPE:	Completion
HAS VARIABLES:	False
STUDENT ENTRY DE:	MO Basic
LEARNING OBJECT VES:	CTI FWRG.HOBB.17.2.1 - Understand the tectonic forces behind some of the world's major landforms and natural hazards
KEYWORDS:	Bloom's: Remember
DATE CREATED:	12/10/2015 11:19 PM
DATE MODIFIED.	12/15/2015 2:49 AM
	reas of the tropics and midlatitudes are designated because they are regions mate or vegetation dominates. undifferentiated highlands
POINTS:	1
REFERENCES:	č
QUESTION TYPE:	•
HAS VARIABLES:	False
STUDENT ENTRY E:	MODBasic
LEARNING OBJECTES:	CTIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation types and climate
KEYWORDS:	Bloom's: Remember
DATE CREATED:	12/10/2015 11:24 PM
DATE MODIFIED.	12/15/2015 2:49 AM
53. The number of	plant and animal species present and the variety of genetic materials these organisms contain is called
ANSWER:	biodiversity Biological diversity
POINTS:	1
REFERENCES:	2.3 Biodiversity
QUESTION TYPE:	Completion
HAS VARIABLES:	False
STUDENT ENTRY MODE:	Basic
LEARNING OBJE CTIVES:	FWRG.HOBB.17.2.3 - Identify the natural areas most threatened by human activity and explain how natural habitat loss may endanger human welfare
KEYWORDS:	Bloom's: Remember
DATE CREATED:	12/10/2015 11:26 PM
DATE MODIFIED.	: 12/15/2015 2:49 AM
54. The	includes both oceans and freshwater sources, such as lakes and rivers. hydrosphere
/1/VD/// 12/1.	H V GI U SDIICI C

POINTS:

REFERENCES: 2.4 The World's Oceans

QUESTION TYPE: Completion

HAS VARIABLES: False STUDENT ENTRY MODE: Basic

LEARNING OBJECTIVES: FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
 12/10/2015 11:28 PM

 DATE MODIFIED:
 12/15/2015 2:49 AM

55. The cultivation of aquatic organisms for food, including fish farming, that has the potential to increasingly substitute for wild-caught fish stock is called ______.

ANSWER: aquaculture

POINTS: 1

REFERENCES: 2.4 The World's Oceans

QUESTION TYPE: Completion

HAS VARIABLES: False STUDENT ENTRY MODE: Basic

LEARNING OBJECTIVES: FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

 KEYWORDS:
 Bloom's: Remember

 DATE CREATED:
 12/10/2015 11:35 PM

 DATE MODIFIED:
 12/15/2015 2:49 AM

Matching

Climate change and market-based incentives to reduce emissions - match the terms below to their descriptions below

- a. Clean development mechanism
- b. Joint implementation
- c. Cap and trade
- d. adaptation
- e. mitigation

REFERENCES: 2.5 Global Climate Change

QUESTION TYPE: Matching HAS VARIABLES: False

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/10/2015 11:36 PM *DATE MODIFIED:* 12/15/2015 2:49 AM

56. This allows an Annex I country to earn emission reduction units (ERUs) by investing in emission reduction in another Annex I country.

ANSWER: b

POINTS:

57. This allows a wealthier Annex I country can earn emissions units by investing in emission-reduction projects in a Copyright Cengage Learning. Powered by Cognero. Page 20

poorer country, and utarget.	use those certified emission reduction (CER) credits to meet part of its overall emission	ssion reduction
ANSWER:		a
POINTS:		1
world's richer countr	n to avoid the adverse impacts of climate change in the long term and is seen as a ries plus China should deal with because they are the main producers of greenhous	
ANSWER:		e
POINTS:		1
	e designed to cope with and reduce the unavoidable impacts of climate change in the typically seen as a problem for the poorer countries, which are expected to suffer	
ANSWER:		d
POINTS:		1
	at lets countries that have an excess of emission units (emissions permitted to them eity to countries that are over their targets.	, but not used) to
ANSWER:		c
POINTS:		1
Climate Zones - mato	ch the following terms to their descriptions below	
a. desert		
b. oceanic		
c. subarctic		
d. humid su	ubtropical	
	ontinental	
REFERENCES:	2.2 Patterns of Climate and Vegetation	
QUESTION TYPE:	Matching	
HAS VARIABLES:	False	
LEARNING OBJECT ES:	TIV FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distributio types and climate	n of vegetation
KEYWORDS:	Bloom's: Remember	
DATE CREATED:	12/10/2015 11:41 PM	
DATE MODIFIED:	12/15/2015 2:49 AM	
61. Experiences short <i>ANSWER</i> :	t, mild summers and long, cold, severe winters and low annual precipitation	c
POINTS:		1
62. Is mild year-roun climate.	d, with temperatures and precipitation roughly equal in each season. Much of Euro	ope has this
ANSWER:		b
POINTS:		1
63. Receives year-rou	und precipitation and has large temperature swings between its cold winters and the	ne often muggy hot

summers.

ANSWER: e
POINTS: 1

64. Receives abundant precipitation, spread roughly evenly throughout the year, and features hot and muggy summers, and mild winters with occasional cold snap.

ANSWER:

POINTS:

65. Is very dry year-round, with low annual precipitation

ANSWER:

POINTS:

Subjective Short Answer

66. Earth can be divided into four different spheres. List these spheres and give a description of each.

ANSWER: Lithosphere - the surface of Earth, including rocks, soil, and plates

Atmosphere - gases and air surrounding Earth Biosphere - all living organisms on Earth Hydrosphere - water (in all forms) on Earth

POINTS: 1

REFERENCES: 2.1 Geologic Processes and Landforms

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY MO Basic

DE:

LEARNING OBJECTI FWRG.HOBB.17.2.1 - Understand the tectonic forces behind some of the world's major

VES: landforms and natural hazards

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/10/2015 11:44 PM *DATE MODIFIED:* 12/15/2015 2:49 AM

67. Explain the difference between climate and weather.

ANSWER: As you experience a warm, dry, cloudless summer day or a cold, wet, overcast winter day, you are

encountering weather—the atmospheric conditions occurring at a given time and place. Climate is the

average weather of a place over a long time period.

POINTS: 1

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY Basic

MODE:

LEARNING OBJE FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation types

CTIVES: and climate

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 11:46 PM DATE MODIFIED: 12/15/2015 2:49 AM

68. How are the tropical rainfall, tropical monsoon, and tropical savanna climates similar and different?

ANSWER:

Three climates are designated "tropical," with their defining characteristic being consistent warm to hot temperatures; every month has an average temperature of 18°C (64°F) or higher. All three tropical climates are found in the Amazon basin of South America, in the following sequence poleward from the equator. The tropical rainforest climate is hot, humid, and rainy year-round, with little seasonal variation in temperature or precipitation. The tropical monsoon climate has a short dry season, when the otherwise heavy rains taper off for one or more months. The tropical savanna climate (also called the tropical wet-dry climate) has marked wet and dry seasons, typically lasting roughly half the year. The savanna's extended dry season results in lower annual precipitation amounts than the other tropical climates.

POINTS: 1

REFERENCES: 2.2 Patterns of Climate and Vegetation

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY Basic

MODE:

LEARNING OBJE FWRG.HOBB.17.2.2 - Recognize consistent global patterns in the distribution of vegetation types

CTIVES: and climate

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 11:49 PM DATE MODIFIED: 12/15/2015 2:49 AM

69. What is a monoculture, and what are the advantages and disadvantages of monoculture agriculture?

ANSWER:

In our agricultural systems, the trend in recent decades has been to use biotechnology to develop genetically modified high-yield varieties of grains and to plant them as vast monocultures (single-crop plantings). This trend, which is the cornerstone of the so-called Green Revolution, is controversial. On the one hand, it puts more food on the global table. But on the other, it may render agriculture more vulnerable to pests and diseases and thus pose long-term risks of famine. In evolutionary terms, the Green Revolution has reduced the natural diversity of crop varieties that allows nature and farmer to turn to alternatives when adversity strikes. At the same time, while we remove tropical rain forests and other natural ecosystems to provide ourselves with timber, agriculture, and living space, we may be eliminating the foods, medicines, and raw materials of tomorrow even before we have collected them and assigned them scientific names. "We are causing the death of birth," lamented biologist Norman Myers.

POINTS: 1

REFERENCES: 2.3 Biodiversity

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY Basic

MODE:

LEARNING OBJE FWRG.HOBB.17.2.3 - Identify the natural areas most threatened by human activity and explain how

CTIVES: natural habitat loss may endanger human welfare

KEYWORDS: Bloom's: Remember DATE CREATED: 12/10/2015 11:53 PM DATE MODIFIED: 12/15/2015 2:49 AM

70. How do the oceans provide energy and other raw materials for human use?

ANSWER: There are conventional fuel sources such as petroleum under the ocean floor. Meanwhile, there is

enormous potential to capture unconventional energy supplies from the sea, especially by using the power of surface winds and waves and of rising and falling tides to generate electricity. Europeans are leading the way in using these forms of energy. Prospects are increasing for the deep-sea mining of other minerals, including gold, silver, and the copper, cobalt, nickel, and "rare earth" minerals (many of which are used in high-tech devices) held within manganese nodules strewn across much of the world's seafloor.

POINTS: 1

REFERENCES: 2.4 The World's Oceans *QUESTION TYPE*: Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY Basic

MODE:

LEARNING OBJE FWRG.HOBB.17.2.4 - Appreciate the important roles of the world's oceans

CTIVES:

KEYWORDS: Bloom's: Remember *DATE CREATED:* 12/11/2015 12:04 AM *DATE MODIFIED:* 12/15/2015 2:49 AM

71. The greenhouse effect is a natural mechanism that keeps Earth warm enough to sustain life. Describe how it works.

ANSWER:

This term is a metaphor of Earth's atmosphere acting like the transparent glass cover of a greenhouse. Visible sunlight passes through the glass to strike the planet's surface. Oceans and land, like the floor of the greenhouse or the car's upholstery, reflect the incoming solar energy back as heat (invisible infrared radiation). Acting like the greenhouse glass or car windshield, Earth's atmosphere traps some of that heat.

POINTS: 1

REFERENCES: 2.5 Global Climate Change QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY Basic

MODE:

LEARNING OBJE FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

CTIVES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/11/2015 12:06 AM DATE MODIFIED: 12/15/2015 2:49 AM

72. What is a biodiversity hotspot, and in which climate types and biomes do many of Earth's 35 biodiversity hotspots exist?

ANSWER:

Places on Earth that are both biologically rich and deeply threatened by human activities are known as biodiversity hotspots, which scientists believe deserve immediate attention for study and conservation. Most of these hotspots are in tropical and subtropical areas. The highest biodiversity in the world is found in the tropical and subtropical moist broadleaf forest biome. The tropical rainforest climate is hot, humid, and rainy year-round, with little seasonal variation in temperature or precipitation.

POINTS: 1

REFERENCES: 2.3 Biodiversity

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY Basic

MODE:

LEARNING OBJE FWRG.HOBB.17.2.3 - Identify the natural areas most threatened by human activity and explain how

CTIVES: natural habitat loss may endanger human welfare

KEYWORDS: Bloom's: Remember DATE CREATED: 12/11/2015 12:08 AM DATE MODIFIED: 12/15/2015 2:49 AM

73. List five effects that are occurring or predicted to occur as a consequence of global warming.

ANSWER: Warmer climate overall, especially in polar regions, but a few areas will see cooler temperature

More precipitation

More pronounced drought

More evaporation Shifting biomes Rising sea levels Geopolitical instability

POINTS:

REFERENCES: 2.5 Global Climate Change *QUESTION TYPE:* Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY MO Basic

LEARNING OBJECTI FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

VES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/11/2015 12:11 AM

DATE MODIFIED: 12/15/2015 2:49 AM

74. Mitigation and adaptation are two approaches to confronting climate change. How do they differ? Give one example of each.

ANSWER: Mitigation measures aim to avoid the adverse impacts of climate change in the long term; these

include steps like switching from coal to cleaner fossil fuels to produce electricity, replacing fossil fuels with other energy resources, reducing energy consumption, and removing greenhouse gases from the atmosphere by boosting photosynthesis (for example, by planting more trees, which absorb

carbon dioxide in the photosynthetic process of producing plant tissue and oxygen).

Adaptation

measures are designed to cope with and reduce the unavoidable impacts of climate change in the short and medium terms; these include building sea walls and dikes to prevent flooding related to rising sea levels, relocating people from flood-prone areas to higher ground, and developing crop varieties that

are more suited to expected changes in precipitation and temperature.

POINTS: 1

REFERENCES: 2.5 Global Climate Change **QUESTION TYPE:** Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY Basic

MODE:

LEARNING OBJE FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

CTIVES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/11/2015 12:13 AM DATE MODIFIED: 12/15/2015 2:49 AM

75. Why did the United States refuse to ratify the Kyoto Protocol under both the Clinton and Bush administrations?

ANSWER: The United States signed but did not ratify the Kyoto Protocol during the Clinton Administration.

Even then, partly because of the strength of the fossil fuel industry lobbies, the political will for

ratification did not exist.

When President George W. Bush assumed office in 2001, he rejected the Kyoto Protocol outright. The Bush administration had two objections: the potentially high economic cost of implementing the treaty and the fact that China, along with all the world's less developed countries, was not required by

the Kyoto Protocol to take any steps to reduce greenhouse gas emissions.

POINTS: 1

REFERENCES: 2.5 Global Climate Change *QUESTION TYPE*: Subjective Short Answer

HAS VARIABLES: False STUDENT ENTRY Basic

MODE:

LEARNING OBJE FWRG.HOBB.17.2.5 - Describe the potential impacts of global climate change and international

CTIVES: efforts to prevent them KEYWORDS: Bloom's: Remember DATE CREATED: 12/11/2015 12:15 AM DATE MODIFIED: 12/15/2015 2:49 AM