

*Environmental Science, 15e (Enger)*

**Chapter 1 Environmental Interrelationships**

1) Environmental science is an interdisciplinary area of study that deals with all of the following except

- A) politics.
- B) economics.
- C) ethics.
- D) All of these are correct.

Answer: D

Section: 01.01

Topic: Environmental Science

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2) Environment is defined as:

- A) the surrounding conditions that affect organisms.
- B) everything that affects an organism during its lifetime.
- C) all organisms including people affecting many components.
- D) More than one of the choices are correct.
- E) None of the choices are correct.

Answer: D

Explanation: An environment is defined as described in answer choice A and B, thus, more than one of the above, making answer choice D correct.

Section: 01.01

Topic: Environment

Bloom's: 1. Remember

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3) An ecosystem is

- A) the transition zone between grassland and desert.
- B) a group of interactive species and their environment.
- C) a body of freshwater.
- D) the lowland area on either side of a river.

Answer: B

Section: 01.01

Topic: Ecosystems

Bloom's: 1. Remember

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- 4) Which of the following is a correct example of interrelatedness?
- A) Wolves reintroduced → coyotes decline → rodents decline → willows increase
  - B) Wolves reintroduced → elk decline → willows increase → beavers increase
  - C) Wolves reintroduced → coyotes decline → rodents increase → foxes decrease
  - D) Wolves reintroduced → elk decline → willows increase → beavers increase → water flow stays the same

Answer: B

Section: 01.01

Topic: Environmental Science

Bloom's: 1. Remember

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- 5) The Earth Summit was
- A) the first worldwide meeting dealing with environmental concerns.
  - B) formerly known as the UNCED.
  - C) held in Rio de Janeiro in 1992.
  - D) All of these are correct.

Answer: D

Section: 01.02

Topic: Environment; Globalization

Bloom's: 1. Remember

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- 6) The result of the 1997 Kyoto Summit was an international commitment to
- A) reduce the amount rainforest logging.
  - B) increase the amount of land placed in conservation easement.
  - C) reduce emissions of greenhouse gases.
  - D) reduce the number of oil spills.

Answer: C

Section: 01.02

Topic: Environment; Globalization

Bloom's: 1. Remember

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- 7) Agenda 21 was an agreement by
- A) seven nations to halt CFC production in 1987.
  - B) 90 nations to enhance global biodiversity in 2000.
  - C) 178 nations for comprehensive sustainable development in 1992.
  - D) 300 nations to limit trade in endangered species in 1985.

Answer: C

Section: 01.02

Topic: Environment; Globalization

Bloom's: 1. Remember

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- 8) The organization of colleges and universities in the United States and Canada that promotes sustainability in higher education is called
- A) UNCED.
  - B) UNESCO.
  - C) AASHE.
  - D) STARS.

Answer: C

Section: 01.02

Topic: Education

Bloom's: 1. Remember

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- 9) Malaria is widespread in tropical and subtropical regions, with some 525 million cases occurring annually and resulting in one to three million deaths, mainly in young children:
- A) of the Quechua Indians in Peru.
  - B) in Sub-Saharan Africa.
  - C) of the Jesuits in Europe.
  - D) of the pilgrims in Massachusetts.

Answer: B

Section: 01.02

Topic: Environment; Health

Bloom's: 1. Remember

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10) Science is an approach to studying the supernatural world that involves formulating hypotheses and then testing them to see if the hypotheses are supported or refuted.

Answer: FALSE

Explanation: Science is an approach to studying the NATURAL world, not the supernatural world.

Section: 01.01

Topic: Science

Bloom's: 1. Remember

Gradable: automatic

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11) Environmental science is a narrowly defined field of physical and biological sciences.

Answer: FALSE

Section: 01.01

Topic: Environmental Science

Bloom's: 1. Remember

Gradable: automatic

Accessibility: Keyboard Navigation

12) The reintroduction of wolves to Yellowstone National Park did not have an impact on the ecosystem.

Answer: FALSE

Section: 01.01

Topic: Environmental Science

Bloom's: 1. Remember

Gradable: automatic

Accessibility: Keyboard Navigation

13) Ecosystem boundaries are usually defined by easily identifiable demarcations.

Answer: TRUE

Section: 01.01

Topic: Ecosystems

Bloom's: 1. Remember

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14) The ecosystem approach requires scientists to recognize and understand natural interactions and to integrate this with human needs for natural resources.

Answer: TRUE

Section: 01.01

Topic: Ecosystems

Bloom's: 1. Remember

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15) Biodiversity is fundamental to human welfare and economic development and plays a critical role in meeting human needs by maintaining the ecological processes upon which our survival depends.

Answer: TRUE

Section: 01.02

Topic: Ecosystems

Bloom's: 1. Remember

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16) The word *environment* is usually understood to mean the surrounding conditions that affect organisms, but a broader definition would include everything that affects an organism during its lifetime.

Answer: TRUE

Section: 01.01

Topic: Environment

Bloom's: 1. Remember

Gradable: automatic

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17) Some ecosystems have easily recognized boundaries, such as lakes, islands, or floodplains.

Answer: TRUE

Section: 01.01

Topic: Ecosystems

Bloom's: 1. Remember

Gradable: automatic

Accessibility: Keyboard Navigation

18) UNCED was the former name for the Earth Summit.

Answer: TRUE

Section: 01.02

Topic: Environment; Globalization

Bloom's: 1. Remember

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19) Economic considerations are not involved with environmental decisions.

Answer: FALSE

Section: 01.01

Topic: Environment

Bloom's: 1. Remember

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20) Air pollution generated in China affects air quality in WESTERN coastal states in the United States and in British Columbia, Canada.

Answer: TRUE

Section: 01.01

Topic: Air Pollution

Bloom's: 1. Remember

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21) According to the World Health Organization, almost \_\_\_\_\_ of all diseases are caused by environmental exposure.

Answer: one-quarter

25%

1/4

twenty five percent

25 percent

one fourth

one quarter

1 quarter

Section: 01.02

Topic: Environment; Health

Bloom's: 1. Remember

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- 22) Immigrants to neighboring countries due to war, famine, or natural disasters
- A) are an economic burden to host countries.
  - B) cause political problems in the host countries.
  - C) are a humanitarian problem.
  - D) All of the statements are true.

Answer: D

Section: 01.02

Topic: Environmental Issues

Bloom's: 1. Remember

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- 23) The Sustainable Development Goals of the United Nations include
- A) ending poverty.
  - B) improving health.
  - C) addressing climate change.
  - D) All of the above are Sustainable Development Goals.

Answer: D

Section: 01.02

Topic: Sustainable Development

Bloom's: 1. Remember

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- 24) The 2015 Paris Agreement on climate change
- A) has not been agreed to.
  - B) sets 2°C as the upper limit for the increase in the temperature of the Earth.
  - C) requires all countries to reduce greenhouse gas production.
  - D) None of the above is correct.

Answer: B

Section: 01.02

Topic: Climate Change

Bloom's: 1. Remember

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25) Energy use

- A) has been declining in much of the world.
- B) is primarily from alternative energy sources.
- C) increased significantly in the richer countries.
- D) includes much use of biomass in developing countries.

Answer: D

Section: 01.02

Topic: Environmental Issues

Bloom's: 1. Remember

Gradable: automatic

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26) Which one of the following is an environmental effect of globalization?

- A) easy spread of invasive species
- B) climate change
- C) increased production of food for the world's poor
- D) stronger enforcement of environmental laws in most countries

Answer: A

Section: 01.02

Topic: Environmental Issues

Bloom's: 1. Remember

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