

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

Bloom's: 1. Remember

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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

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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

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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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