

***Essentials of Environmental Health 3rd edition Friis
Test Bank***

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Multiple Choice

1. According to *Healthy People 2020*, which of the following is *not* an environmental objective for outdoor air quality?

- A. Reducing the number of days the AQI exceeds 100, weighted by population and AQI
- B. Increasing use of alternative modes of transportation for work
- C. Reducing air toxic emissions to decrease the risk of adverse health effects
- D. Increasing the production of clean coal as an energy source
- E. Reducing the number of days the AQI exceeds 100, weighted by population and AQI; increasing use of alternative modes of transportation for work; and reducing air toxic emissions to decrease the risk of adverse health effects

Answer: D

Complexity: Easy

Ahead: Definitions Used in the Environmental Health Field

Subject: Chapter 1

Title: Introduction: The Environment At Risk

2. Which of the following outcomes is *not* usually associated with world population growth?

- A. Prosperity
- B. Pollution
- C. Poverty
- D. Urban crowding
- E. Increases in infectious diseases

Answer: A

Complexity: Easy

Ahead: Progress and the Challenges in Protecting our Environment

Subject: Chapter 1

Title: Introduction: The Environment At Risk

3. The environment plays a role in human health through associations with which of the following?

- A. Acute conditions
- B. Allergic responses
- C. Disability
- D. Chronic disease
- E. All of these are correct.

Answer: E

Complexity: Easy

Ahead: Significance of the Environment for Human Health
Subject: Chapter 1
Title: Introduction: The Environment At Risk

4. The estimated global burden of disease (percentage) linked to environmental sources is:
- A. 5% to 20%.
 - B. 25% to 33%.
 - C. 35% to 50%.
 - D. 55% to 70%.
 - E. 75% to 89%.

Answer: B

Complexity: Easy

Ahead: Progress and the Challenges in Protecting our Environment

Subject: Chapter 1

Title: Introduction: The Environment At Risk

5. Compared with adults, children represent a group that is especially vulnerable to environmental hazards for the following reasons, *except*:
- A. Their immune systems are still developing.
 - B. They may be exposed more often to toxins in the outdoor air.
 - C. They may be exposed more often to toxins in the soil.
 - D. They spend more time indoors.
 - E. They may inadvertently ingest toxic substances.

Answer: D

Complexity: Easy

Ahead: Significance of the Environment for Human Health

Subject: Chapter 1

Title: Introduction: The Environment At Risk

6. Reasons for the potential spread of avian influenza include which of the following?
- A. Intensive animal husbandry practices
 - B. Restriction of international travel
 - C. Demonstrated person-to-person transmission
 - D. Both restriction of international travel and demonstrated person-to-person transmission
 - E. All of these are correct.

Answer: A

Complexity: Easy

Ahead: Progress and the Challenges in Protecting our Environment
Subject: Chapter 1
Title: Introduction: The Environment At Risk

7. All of the following statements about the 2009 swine flu outbreak are true, *except*:

- A. It was caused by the H5N1 virus.
- B. It was spread through North America to other parts of the globe.
- C. It was classified as a pandemic by WHO.
- D. It showed evidence of person-to-person transmission.
- E. Initial cases showed no evidence of contact with pigs.

Answer: A

Complexity: Easy

Ahead: Progress and the Challenges in Protecting our Environment
Subject: Chapter 1
Title: Introduction: The Environment At Risk

8. Environmental risk transition is most likely to be characterized by:

- A. increasing levels of poor food, air, and water quality.
- B. increasing frequency of diarrhea caused by unsafe water.
- C. air pollution from poor-quality indoor fuels.
- D. control of household risks and creation of a new set of problems.
- E. increases in acute respiratory diseases.

Answer: D

Complexity: Easy

Ahead: Significance of the Environment for Human Health
Subject: Chapter 1
Title: Introduction: The Environment At Risk

9. Currently, the number of years required for the world's population to double is approximately:

- A. 53 years.
- B. 73 years.
- C. 43 years.
- D. 13 years.
- E. 93 years.

Answer: C

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

Title: Introduction: The Environment At Risk

10. In 2050, the world's three most populous countries will be:

- A. China, Indonesia, United States.
- B. United States, Russia, and Japan.
- C. China, Indonesia, and Brazil.
- D. India, China, United States.
- E. Indonesia, Brazil, Nigeria.

Answer: D

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

Title: Introduction: The Environment At Risk

Multiple Choice

1. The natural population replacement fertility rate in the US is estimated to be:

- A) 2.1 births per woman.
- B) 2.9 births per woman.
- C) 3.1 births per woman.
- D) 3.9 births per woman.
- E) 3.5 births per woman.

Ans: A

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

2. The epidemiologic transition is characterized by which of the following?

- A) Population comprised of predominantly young individuals
- B) Growing burden of chronic, degenerative diseases
- C) Rapid increase in population
- D) High mortality rates
- E) None of these is correct.

Ans: B

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

3. Stage 1 of the demographic transition demonstrates:

- A) drop in mortality rates; high fertility rates.
- B) high fertility and mortality rates.
- C) dropping fertility rates; more even age and sex distributions.
- D) increasing mortality rates; dropping mortality rates.
- E) None of these is correct.

Ans: B

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

4. Stage 2 of the demographic transition demonstrates:

- A) drop in mortality rates; high fertility rates.
- B) fertility and mortality rates are high.
- C) dropping fertility rates; more even age and sex distributions.
- D) increasing mortality rates; dropping mortality rates.
- E) None of these is correct.

Ans: A

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

5. Stage 3 of the demographic transition demonstrates:
- A) drop in mortality rates; high fertility rates.
 - B) high fertility and mortality rates.
 - C) dropping fertility rates; more even age and sex distributions.
 - D) increasing mortality rates; dropping mortality rates.
 - E) None of these is correct.

Ans: C

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

6. The effects of rapid growth of the world's population include:
- A) urbanization.
 - B) overtaking carrying capacity.
 - C) food insecurity.
 - D) loss of biodiversity.
 - E) All of these are correct.

Ans: E

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

7. Environmental health comprises those aspects of human health that are determined by:
- A) physical factors.
 - B) biological factors.
 - C) social factors.
 - D) psychosocial factors.
 - E) All of these are correct.

Ans: E

Complexity: Moderate

Ahead: Population and the Environment

Subject: Chapter 1

8. The author of the *First Essay on Population* was:

- A) John Snow.
- B) Charles Darwin.
- C) Thomas Malthus.
- D) Paul Ehrlich.
- E) None of these is correct.

Ans: C

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

9. Which of the following statements is *not* true about ecosystems?
- A) Human beings are not considered to be a part of ecosystems.
 - B) An ecosystem is a dynamic complex of plant, animal, and microorganism communities.
 - C) A temporary pond in a hollow tree can be an ecosystem.

- D) Ecosystems are being degraded rapidly.
- E) The interconnected components of an ecosystem are in a steady state.

Ans: A

Complexity: Easy

Ahead: Definitions Used in the Environmental Health Field

Subject: Chapter 1

10. The author of *On Airs, Waters, and Places* was:

- A) Socrates.
- B) Aristotle.
- C) Hippocrates.
- D) Pliny the Elder.
- E) Galen.

Ans: C

Complexity: Easy

Ahead: Historical Background

Subject: Chapter 1

Import Settings:
Base Settings: Brownstone Default
Information Field: Complexity
Information Field: Ahead
Information Field: Subject
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Chapter: Chapter 01 - Quiz

Multiple Choice

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- E) Reducing the number of days the AQI exceeds 100, weighted by population and AQI; increasing use of alternative modes of transportation for work; and reducing air toxic emissions to decrease the risk of adverse health effects

Ans: D

Complexity: Easy

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Ans: A

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Ans: B

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Ans: D

Complexity: Easy

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Ans: A

Complexity: Easy

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C) It was classified as a pandemic by WHO.

- D) It showed evidence of person-to-person transmission.
E) Initial cases showed no evidence of contact with pigs.

Ans: A

Complexity: Easy

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B) United States, Russia, and Japan.
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Ans: D

Complexity: Easy

Ahead: Population and the Environment

Subject: Chapter 1

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