

Human Health and Ecological Connections

Ecology And Human Health · Practice Test · 15 Questions

1. Which gas do humans inhale from the atmosphere that is essential for cellular respiration?

- A) Carbon dioxide
- B) Oxygen
- C) Nitrogen
- D) Methane

2. What is the primary source of Vitamin D for the human body, obtained through interaction with the environment?

- A) Rainwater
- B) Soil
- C) Sunlight
- D) Wind

3. Which organ system is responsible for filtering waste products from the blood, reflecting the body's need for clean water?

- A) Urinary system
- B) Digestive system
- C) Respiratory system
- D) Nervous system

4. What type of microorganisms live in the human gut and play a critical role in human health?

- A) Lava
- B) Microbiota
- C) Volcanoes
- D) Meteorites

5. Which essential nutrient do humans obtain by consuming plants or animals that have absorbed it from the soil?

- A) Plastic
- B) Iron
- C) Rubber
- D) Glass

6. What substance, found in the environment, is necessary for maintaining human body temperature and metabolic functions?

- A) Gasoline
- B) Water
- C) Oil
- D) Sand

7. Exposure to high levels of what environmental pollutant is known to damage human lung tissue?

- A) Oxygen
- B) Air pollution
- C) Pure nitrogen
- D) Clean steam

8. Which biological process in plants provides the oxygen that humans need to survive?

- A) Photosynthesis
- B) Digestion
- C) Evaporation
- D) Freezing

9. What is the term for the variety of life forms on Earth that contribute to the stability of the food supply for humans?

- A) Monoculture
- B) Biodiversity
- C) Industrialization
- D) Urbanization

10. Which internal system relies on the external environment to provide the chemical energy needed for movement?

- A) Digestive system
- B) Skeletal system
- C) Integumentary system
- D) Endocrine system

11. What do humans release into the environment as a byproduct of respiration that plants use for photosynthesis?

- A) Oxygen
- B) Carbon dioxide
- C) Helium
- D) Argon

12. Which natural resource is essential for human hygiene and the prevention of infectious diseases?

- A) Sand
- B) Clean water
- C) Coal
- D) Ash

13. Which part of the human body acts as a barrier against environmental pathogens?

- A) Heart
- B) Skin
- C) Liver
- D) Brain

14. What do humans obtain from eating diverse fruits and vegetables grown in healthy soil?

- A) Synthetic oil
- B) Vitamins and minerals
- C) Polystyrene
- D) Raw petroleum

15. Which environmental factor can influence the spread of waterborne diseases in human populations?

- A) Sunlight intensity
- B) Water quality
- C) Wind speed
- D) Soil color