

Deforestation, Reforestation, and Human Health

Environmental Science And Public Health · Practice Test · 12 Questions

1. Which gas, essential for human respiration, is produced by trees through photosynthesis?

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

2. What negative impact does deforestation have on the spread of certain infectious diseases, such as malaria, to humans?

- A) It creates more habitats for disease-carrying mosquitoes
- B) It eliminates all bacteria from the soil
- C) It improves human immune system strength
- D) It decreases the population of insects

3. Trees and plants help improve human health by filtering which common air pollutant?

- A) Particulate matter
- B) Oxygen
- C) Helium
- D) Neon

4. Reforestation helps stabilize soil, which prevents the contamination of what vital human resource?

- A) Freshwater supplies
- B) Dry air
- C) Solar energy
- D) Volcanic ash

5. Forests provide raw materials for approximately what percentage of modern pharmaceutical medicines used by humans?

- A) Less than 1%
- B) Around 25%
- C) Over 90%
- D) None

6. Deforestation can lead to the loss of natural barriers, increasing human exposure to what health hazard?

- A) Extreme heat
- B) Increased vitamin D
- C) Excess oxygen
- D) Fresh mountain air

7. Which natural substance produced by trees has been shown to reduce human stress hormones like cortisol when inhaled?

- A) Phytoncides
- B) Industrial smoke
- C) Artificial fragrance
- D) Plastic particles

8. The removal of forests often leads to the destruction of medicinal plants used to treat which condition?

- A) Cuts and inflammation
- B) Genetic eye color
- C) Height growth
- D) Hair texture

9. Reforestation projects contribute to human health by reducing the 'Urban Heat Island' effect, which prevents what?

- A) Heat-related illnesses
- B) Improved sleep quality
- C) Increased bone density
- D) Better digestion

10. Large-scale deforestation is linked to an increase in zoonotic diseases, which are diseases that spread from where to humans?

- A) Animals
- B) Plants
- C) Rocks
- D) Clouds

11. Forests serve as a natural filter for air, reducing the risk of humans developing which type of health issue?

- A) Respiratory diseases
- B) Hair loss
- C) Broken bones
- D) Dental cavities

12. Trees contribute to human mental and physical well-being by providing areas for what necessary human activity?

- A) Physical exercise
- B) Heavy metal mining
- C) Deep sea diving
- D) High-speed racing