Deforestation, Reforestation, and Human Health

Environmental Science And Public Health · Answer Key · 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

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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

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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

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