

Renewable Energy and Nature

Renewable Energy · Practice Test · 10 Questions

1. Which renewable energy source uses the power of moving air to spin large blades?

- A) Solar power
- B) Wind energy
- C) Geothermal energy
- D) Biomass

2. What natural resource do solar panels convert directly into electricity?

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

3. Hydroelectric power stations generate electricity by using the movement of which substance?

- A) Water
- B) Sand
- C) Magma
- D) Air

4. What is the primary natural source of heat used in geothermal energy?

- A) Ocean waves
- B) Forest fires
- C) The Earth's internal core
- D) Lightning

5. Which form of renewable energy is derived from organic materials like plant waste?

- A) Biomass
- B) Natural gas
- C) Coal
- D) Petroleum

6. Why are wind turbines often painted or designed to be visible to birds?

- A) To look better
- B) To reduce bird collisions
- C) To keep them cool
- D) To attract insects

7. Which renewable energy technology captures energy from the ocean's regular rise and fall?

- A) Tidal energy
- B) Solar thermal
- C) Biogas
- D) Wind

8. Unlike fossil fuels, renewable energy sources are considered 'clean' because they do not produce significant amounts of what?

- A) Oxygen
- B) Greenhouse gases
- C) Water vapor
- D) Nitrogen

9. Solar energy helps the environment by reducing the need to burn which substances?

- A) Fossil fuels
- B) Wood pellets
- C) Dried leaves
- D) Recycled paper

10. What natural landscape feature is often used to create a reservoir for hydroelectric power?

- A) A flat desert
- B) A river valley
- C) A sandy beach
- D) A coral reef