

Renewable Energy and Nature

Renewable Energy · Answer Key · 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