

Renewable Energy Basics

Science · Answer Key · 8 Questions

1. Which of the following energy sources is considered renewable?

- A) Coal
- B) Natural Gas
- C) Solar**
- D) Petroleum

2. What is the primary source of energy for wind power?

- A) The Earth's core
- B) The Sun**
- C) Ocean tides
- D) Chemical reactions

3. Which type of renewable energy captures heat from beneath the Earth's surface?

- A) Geothermal**
- B) Hydroelectric
- C) Biomass
- D) Wind

4. Hydroelectric power stations generate electricity by using the energy from what?

- A) Burning wood
- B) Moving water**
- C) Sunlight
- D) Natural gas

5. Which material is commonly used to make solar panels that convert sunlight into electricity?

- A) Silicon**
- B) Iron
- C) Copper
- D) Plastic

6. What is the main environmental benefit of using renewable energy instead of fossil fuels?

- A) It creates more noise
- B) It produces fewer greenhouse gas emissions**
- C) It is cheaper to build
- D) It works at night

7. Biomass energy is produced by burning or processing what?

- A) Rocks
- B) Organic matter**
- C) Salt water
- D) Sand

8. Which of these describes a characteristic of renewable energy sources?

- A) They will run out eventually
- B) They are naturally replenished**
- C) They are found only in mines
- D) They are non-existent in Australia