

1. What is one of the main advantages of renewable energy compared to fossil fuels?

- A) It is cheaper to produce in all cases
- B) It is naturally replenished and has minimal environmental impact
- C) It requires no technological advancements to implement
- D) It is always available regardless of weather conditions

2. Which renewable energy source was used as early as 200 BCE?

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

3. What technological advancement has made solar panels more accessible?

- A) The ability to generate electricity in low-wind conditions
- B) The development of advanced energy storage systems
- C) Increased efficiency and affordability of solar panels
- D) The construction of hydroelectric dams

4. How does renewable energy help reduce greenhouse gas emissions?

- A) By burning cleaner fossil fuels
- B) By producing little to no emissions during energy generation
- C) By increasing the use of imported fuels
- D) By relying on advanced combustion technologies

5. What is one way renewable energy enhances energy security?

- A) By reducing dependence on imported fuels
- B) By eliminating the need for energy storage systems
- C) By centralizing energy production
- D) By relying on fossil fuel reserves

6. What is a primary challenge of solar and wind energy?

- A) They are always available regardless of weather conditions
- B) They depend on weather conditions and may not always meet demand
- C) They produce significant greenhouse gas emissions
- D) They are more expensive than fossil fuels in all cases

7. What is one environmental concern associated with renewable energy technologies?

- A) They produce more emissions than fossil fuels
- B) They require no environmental assessments
- C) Their production and deployment can disrupt ecosystems
- D) They are not effective at generating power

8. What international agreement has set ambitious targets for renewable energy expansion?

- A) The Kyoto Protocol
- B) The Paris Climate Accord
- C) The Renewable Energy Act
- D) The Global Energy Summit

9. What is one solution to the intermittent nature of renewable energy sources? A) Building more fossil fuel power plants

- B) Developing advanced energy storage systems
- C) Relying solely on hydroelectric power
- D) Reducing energy demand during peak hours

10. What is the overall message of the passage about renewable energy?

- A) Renewable energy is a temporary solution to energy needs
- B) Renewable energy has significant challenges that cannot be overcome
- C) Renewable energy is a transformative opportunity for a sustainable future
- D) Renewable energy is less effective than fossil fuels in addressing climate change