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

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