

Name _____

Renewable Energy Sources: Tapping into Kinetic and Potential Energy

Multiple Choice Questions

1. How do wind turbines generate electricity?
 - a) By using chemical reactions
 - b) By capturing kinetic energy from the wind
 - c) By converting sunlight into electricity
 - d) By burning organic materials

2. What is the primary source of energy for solar panels?
 - a) Wind
 - b) Water
 - c) Sunlight
 - d) Biomass

3. Which renewable energy source taps into the kinetic energy of flowing water?
 - a) Solar energy
 - b) Biomass energy
 - c) Tidal energy
 - d) Hydroelectric energy

4. How does geothermal energy work?
 - a) By capturing energy from ocean tides
 - b) By using the kinetic energy of the wind
 - c) By tapping into the Earth's internal heat
 - d) By harnessing the potential energy of sunlight

5. What is the primary source of energy for tidal power systems?
 - a) Wind
 - b) Sunlight
 - c) Ocean tides
 - d) Biomass

