Name _____

Unraveling the Mystery of Chemical Potential Energy

Multiple Choice Questions

1. What is chemical potential energy primarily stored in?

a) Gravitational fields

b) Bonds between atoms and molecules

c) Magnetic materials

d) Heat sources

2. What role do chemical bonds play in the context of chemical potential energy?

a) They absorb energy from the surroundings.

b) They hold atoms together within molecules.

c) They store kinetic energy.

d) They produce visible light.

3. How is chemical potential energy released during chemical reactions?

a) By cooling down the reactants

b) By forming new chemical bonds

c) By increasing the mass of the substances

d) By slowing down the reaction rate

4. Which example illustrates the release of chemical potential energy?

a) A refrigerator keeping food cold

b) Lighting a candle

c) Turning on a light switch

d) Mixing salt in water

5. Where is chemical potential energy commonly found in everyday life?

a) In clouds and weather systems

b) In the ocean's tides

c) In batteries, fuels, and food

d) In geological formations