Name _____

Unlocking Energy: Understanding Potential and Kinetic Energy

Multiple Choice Questions

1. What is potential energy?

a) Energy of motion

b) Energy of position or condition

c) Energy of light and heat

d) Energy of sound waves

2. When you lift an object higher above the ground, what happens to its potential energy?

a) It decreases

b) It remains the same

c) It increases

d) It becomes kinetic energy

3. What is the main difference between potential and kinetic energy?

a) Potential energy is related to motion, while kinetic energy is related to position.

b) Potential energy is "stored" energy, while kinetic energy is "active" energy in motion.

c) Potential energy is always larger than kinetic energy.

d) Kinetic energy can never turn into potential energy.

4. Which energy is linked to an object's speed and mass?

a) Potential energy

b) Gravitational energy

c) Elastic energy

d) Kinetic energy

5. If you drop a ball from a higher platform, what happens to its kinetic energy as it falls?

a) It decreases

b) It remains the same

c) It increases

d) It becomes potential energy