

Name _____

Exploring Kinetic Energy: Objects in Motion

Short Answer Key

1. Kinetic energy is the energy of motion. It is related to an object's speed and mass, with faster-moving and heavier objects having more kinetic energy.
2. An example is a bouncing basketball. When you throw it, the kinetic energy from your throw allows it to bounce and move.
3. Birds use kinetic energy for flying, helping them search for food, evade predators, and migrate.
4. A compressed spring stores potential energy. When released, it converts this energy into kinetic energy, making toys like pogo sticks bounce.
5. A spinning top relies on kinetic energy. As you spin it, the stored energy keeps it spinning.

