Name _____

The Marvelous Law of Conservation of Energy

Short Answer Key

1. The Law of Conservation of Energy states that energy cannot be created or destroyed but can only change from one form to another.
2. An example of potential energy being converted into kinetic energy is a ball dropped from a height.
3. The Law of Conservation of Energy applies to a pendulum by ensuring that the total energy (potential and kinetic) remains constant as the pendulum swings.
4. When a moving car comes to a complete stop, its kinetic energy is converted into other forms, like heat due to braking.
5. In a roller coaster ride, potential energy gained as the coaster climbs a hill is converted into kinetic energy as it descends, and vice versa to adhere to the Law of Conservation of Energy.