

Conservation of Energy

If you set a pendulum in motion, do you think it will remain in motion forever? No, it will not. Does that mean that energy is destroyed over time? The answer is no. The **law of conservation of energy** states that when one form of energy is converted to another, no energy is destroyed in the process. **According to the law of conservation of energy, energy cannot be created or destroyed.** So the total amount of energy is the same before and after any process. All energy can be accounted for.