

# Force, Work, and Energy

Class 5 • Science • Worksheet (illustrative sample)

Worksheet for Class 5 Science: Force, Work, and Energy.

## Questions

1. What two conditions must be satisfied for scientific work to be done?
2. Give an everyday example where force is applied but no scientific work occurs.
3. What type of energy is stored in water held behind a high dam?
4. What type of energy does a speeding cricket ball possess?
5. State the Law of Conservation of Energy in your own words.
6. Name two clean, renewable energy sources.
7. What energy transformation takes place in a solar panel on a rooftop?
8. Why is petroleum called a non-renewable source of energy?

## Answer Key

1. A force must be applied, and the object must move a distance in the direction of the force
2. Pushing against a stationary wall or holding a heavy suitcase without moving
3. Potential energy (gravitational potential energy)
4. Kinetic energy
5. Energy cannot be created or destroyed; it only changes from one form to another
6. Solar energy and wind energy (or hydro/geothermal energy)
7. Light energy from the Sun is transformed into electrical energy
8. Because it takes millions of years to form and cannot be quickly replenished once exhausted

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