

### 3. Work and Energy

#### I. Write true or false

1. Work is done while hitting ball with a bat. ( True / False )
2. Pencil sharpener is an example for Lever type machines.  
( True / False )
3. Water is a renewable energy. ( True / False )

#### II. Choose the correct answer.

4. In which of the following cases, work is said to be done.  
a) Swimming                      b) watching TV                      c) Reading a book
5. Energy obtained from the sun is,  
a) heat energy                      b) sound energy                      c) solar energy
6. 'See-Saw' is an example for ----- type of machines.  
a) Lever                      b) Pulley                      c) Screw
7. Which of the following, is a non – renewable energy?  
a) Sun                      b) Wind                      c) Coal                      d) Water

#### III. Fill in the blanks.

8. ----- is the point on which the lever rotates.  
( Fulcrum / Effort )
9. The resources which are not easily replaced once used are called the ----- resources. ( Renewable / Non – renewable )
10. Grinder is an example of -----, ( Wheel and Axle / Pulley )