



Worksheet

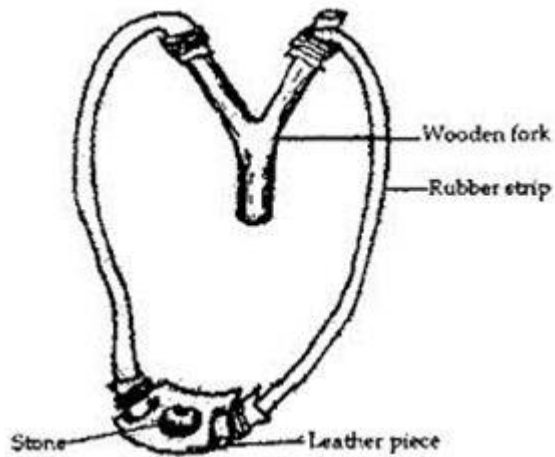
Grade 5- EVS

Chapter 10- Force, Work and Energy

Choose the correct option:

- Pick the odd one out.
 - Bicycle
 - Pulley
 - Wedge
 - Screw
- By which force that very object in the universe attract each other objects near it?
 - frictional force
 - gravitational force
 - elastic force
 - mechanical force
- The two common forces that are acting everywhere around us are
 - Gravity and magnetic force
 - Friction and magnetic force
 - Gravity and friction
 - Electrostatic force and gravity
- Which of the following energy increases with increase in height?
 - Potential energy
 - Electrical energy
 - Heat energy
 - Sound energy
- The two-force acting on stationary object is
 - Magnetic force and frictional force
 - Static force and magnetic force

- c) Magnetic force and frictional force
 - d) Gravitational force and frictional force
6. Which type of energy change is shown in figure below



- A. Sound energy
- B. Kinetic energy
- C. Gravitational energy
- D. Elastic potential energy

7. A brick laying on ground possess:

- a) No energy
- b) Potential energy
- c) Kinetic energy
- d) Frictional energy

8. _____ is the energy object has because of its motion or its position.

- a) mechanical energy
- b) light energy
- c) heat energy
- d) geothermal energy

9. Heat energy is given by:

- a) paper
- b) cotton
- c) the Sun
- d) cloth

10. Which of this is an example of a simple machine?

- a) computer
- b) wedge

- c) television
- d) car

Fill in the blanks:

11. _____ force attract object towards the Earth.
12. The screw is a nail with a raised spiral edge called _____.
13. _____ energy is used for cooking.
14. _____ The energy we receive form the Sun is known as _____ energy.
15. The sum total of kinetic and potential energy is called _____.

State whether the following statement is true or false:

16. Force cannot change the shape of an object.
17. Mechanical force resist stretching and brings the object back to its original state.
18. Wind energy can be used to generate electricity.
19. A screw can help us move heavy loads with less effort.
20. Mechanical force resists stretching and brings the object back to its original state.

Name the following:

21. Energy you get by burning fuel.
22. Energy that plant uses to make food.
23. Energy that we use to run a fan.
24. It gives us heat and light energy.

Give reasons:

25. Ramesh throws a ball from the roof of his house. What kind of energy does the ball possess? Give the name of force acting on the ball.

Draw neat and labelled diagram of:

26. Simple machines,
 - a. Lever,
 - b. Screw,
 - c. Wheel and Axle, Wedge

Short answer questions:

27. Why are machines used?
28. What is a lever? Name the three types of levers.
29. Why is geothermal energy referred to as a renewable source of energy? From where does most of the heat energy come?
30. Name four different forms of energy.
31. How is wind energy more environment friendly than heat energy?

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