

Questions-answers

A. Tick the most appropriate answer.

1. The amount of energy required to raise the temperature of 1 g of water by 1 °C is called
 - a. 1 joule
 - b. 1 newton
 - c. 1 calorie
 - d. 1 watt
2. A child riding a bicycle possesses
 - a. potential energy.
 - b. heat energy.
 - c. kinetic energy.
 - d. sound energy.

3. When a ball is thrown vertically upwards, the gravitational potential energy of the ball
- a. increases.
 - b. decreases.
 - c. remains same.
 - d. none of these
4. Which form of energy is possessed by a stretched spring?
- a. chemical
 - b. elastic potential
 - c. muscular
 - d. heat
5. Which transformation of energy takes place in a door bell?
- a. electrical energy into kinetic energy
 - b. electrical energy into sound energy
 - c. chemical energy into electrical energy
 - d. nuclear energy into light energy
-

B. Fill in the blanks.

1. The SI unit of energy is joule
 2. The stretched rubber band of a catapult possesses elastic potential energy.
 3. The energy of the food that we eat is stored as chemical energy.
 4. Sound energy is produced when you strike a drum.
 5. Plants use the light energy from the sun to prepare their food.
-

C. Match the columns.

- | | | |
|-----------------------------|-----|-----------------------------|
| 1. 1 Calorie | (d) | a. sound energy |
| 2. Burning of charcoal | (c) | b. magnetic energy |
| 3. Coiled spring in a watch | (e) | c. heat energy |
| 4. Vibrating bodies | (a) | d. 4.186 joules |
| 5. Magnets | (b) | e. elastic potential energy |
-