

# Introduction of Force and Energy

## 1. Answer the following questions:

A. Define energy.

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B. Define work.

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C. Write types of energy.

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## 2. Write True or False:-

A. A person with high stamina or energy can work for lengthy periods of time.

B. Force is utilized not just to move but also to halt an object.

C. Kinetic energy possessed by an object due to its motion.

**3. Fill in the blanks:-**

- A. Force is used to affect an object's \_\_\_\_\_ and \_\_\_\_\_.
- B. The force exerted when two surface come into contact is known as \_\_\_\_\_.
- C. The energy of the body possessed by virtue of its position is known as \_\_\_\_\_.

**4. Match the following:-**

Column A	Column B
i. Potential energy	A. $W/t$
ii. Power	B. $F.s$
iii. Work	C. $\frac{1}{2} mv^2$
iv. Kinetic energy	D. $mgh$