

PVG's  
**Muktangan English School & Jr College Pune - 09**  
**Formative Written Test II (2024-25)**  
**Standard VI**

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Subject : Science

Marks : 20

Date : 20.01.2025

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**Q1. A] Fill in the blanks and rewrite the sentences. (1)**

1) A device with a grooved wheel and thread designed to lift weights is called a \_\_\_\_\_ .

(wedge, lever, pulley)

2) The picking up pieces of a paper with a plastic scale is an example of \_\_\_\_\_ force.

(magnetic, electrostatic, gravitational)

**B] Match the following (2)**

A

B

1. Rolling object

a) Atomic energy

2. Food

b) Potential energy

3. Uranium

c) Kinetic energy

4. Stretched bow

d) Chemical energy

**Q2. A] Give scientific reasons for the following (Any one) (2)**

1. Machines are oiled from time to time.

2. Traveller's bags have wheels

3. Powder is sprinkled on a carrom board.

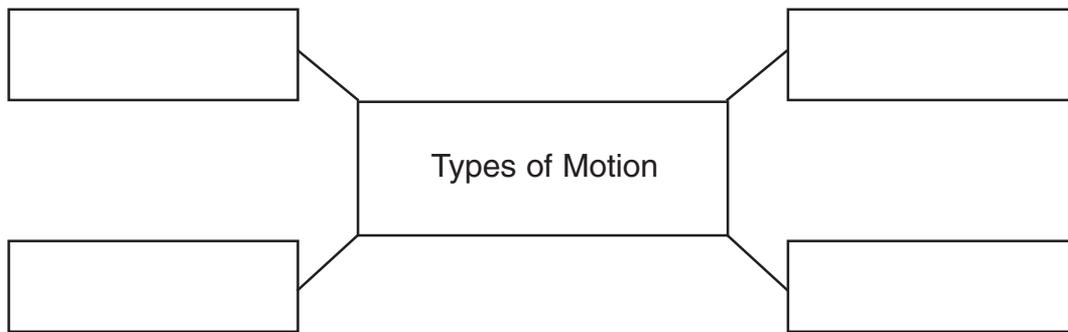
**B] Answer the following questiones (Any two) (4)**

1. Why should we save energy?

2. Write any two advantages of using a machine.

3. What are the things that can be done by applying force?

**C] Complete the following web (2)**



**Q3. A] Write the difference between following by giving any two points (Any one) (2)**

1. Muscular Force - Mechanical force
2. Solar energy - Wind energy

**B] Answer the following in one sentence each (Any two) (2)**

1. What is Green energy?
2. Complete the following by filling empty boxes.

$$\text{Speed} = \frac{\boxed{\phantom{\text{Distance}}}}{\boxed{\phantom{\text{Time}}}}$$

3. What is meant by simple machines?

**C] Define following terms (Any two) (2)**

- |           |                     |
|-----------|---------------------|
| 1) Motion | 2) Potential Energy |
| 3) Weight | 4) A wedge          |

**Q4. Attempt any one of the following (3)**

- 1) Describe one natural chain of transformation of energy.
- 2) What is a lever? How are the orders of lever determined?

