

UNIT: 3 FORCE

CLASS: III

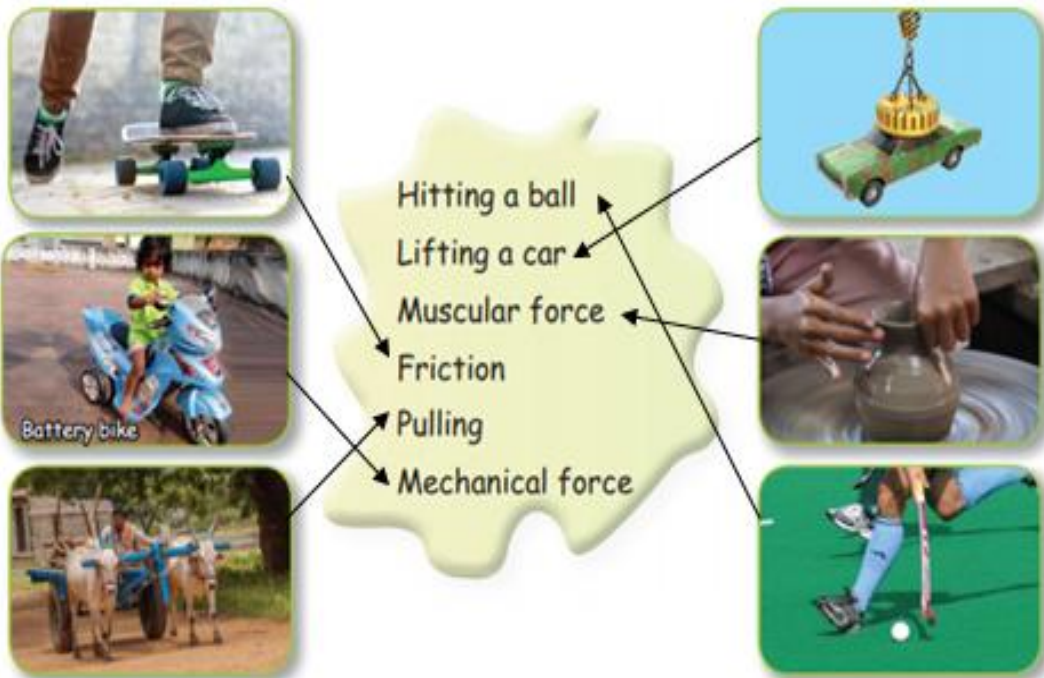
SUBJECT: SCIENCE

I. Fill in the blanks with suitable words.

(Push, force, pull, speed, gravitational force, direction, Muscular)

1. A **Force** is needed to make a stationary object move.
2. The force applied with the help of muscle is called **Muscular** force.
3. **Push** and **Pull** are known as forces.
4. The reason for the fruits to fall from the tree is **Gravitation**.
5. Force changes the **Speed** and **Direction**.

II. Match the words with their pictures.



III. Answer the following questions.

1. How do you open the door?

Opening a door requires our hand to apply force by pushing and pulling Which is a contact force.

2. Name the types of force.

- ❖ Muscular Force.
- ❖ Mechanical Force.
- ❖ Frictional force.
- ❖ Gravitation Force.
- ❖ Magnetic Force.

3. Which force is involved in collecting water from well?

The Force involved in collecting water from well is muscular force.

4. What is push?

When a force is applied in the direction of an object, it is called push.

5. What kind of force is used to make clay pot?

Muscular force is used to make clay pot.

IV. Sujatha places a magnet near some objects. What are the objects that will be attracted from the list given below?

(note, pin, coin, rubber, shirt, comb, steel tumbler, nail)

- Pin
- Coin
- Steel

V. Think and answer.

Raja throws a ball, a stone, a paper and a leaf up in the air? What kind of force is involved here? What will happen to them?

- i) The forces on thrown a ball, a stone a paper and a leaf up in the air gravitational force involved there.
- ii) Because after it leaves the thrower's hand are the force of gravity and possibly the force of air resistance.

BOOK INSIDE

I. Let us look at the picture below to understand movement and action better.



The player hits the ball with hockey stick



Boys are riding bicycle

What moves? **Ball, Bicycle.**

What is the action? **Push, Push.**

II. Put a tick (✓) mark for the picture of motion.



III. Classify the following - Push or Pull?

S.No	ACTIVITIES	PUSH / PULL
1	Riding the bicycle	Push
2	Moving the table towards you	Pull
3	Dragging the chair	Pull
4	Moving a car to start	Push
5	Opening the window	Push
6	Stretching the rubber band	Pull
7	Removing the shoe laces	Pull

IV. Match the following

Stops the motion
Changes the direction
Changes the shape
Changes the speed

V. Observe the picture and write the kind of force involved here.



Muscular Force



Mechanical Force

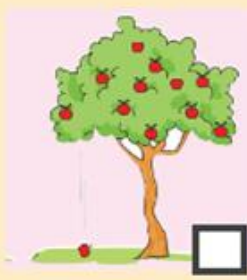


Gravitational Force



Magnetic Force

VI. Tick (✓) the muscular force.



VII. Answer the following

Classify

Pulling trolley Sliding Playing foot ball Swing
 Kiting
 Cycling Kids scooter
 Pulling wood Playing in sand See saw

List out the push activities

List out the pull activity

List the frictions here

List out the Push Activities	List out the Pull Activity	List the Frictions Here
Playing foot Ball	Pulling Trolley	Sliding
Cycling	Pulling Wood	Kids scooter
Swing	Kiting	Sea saw