

# Activity Worksheet

Challenging brain

Sub : Science

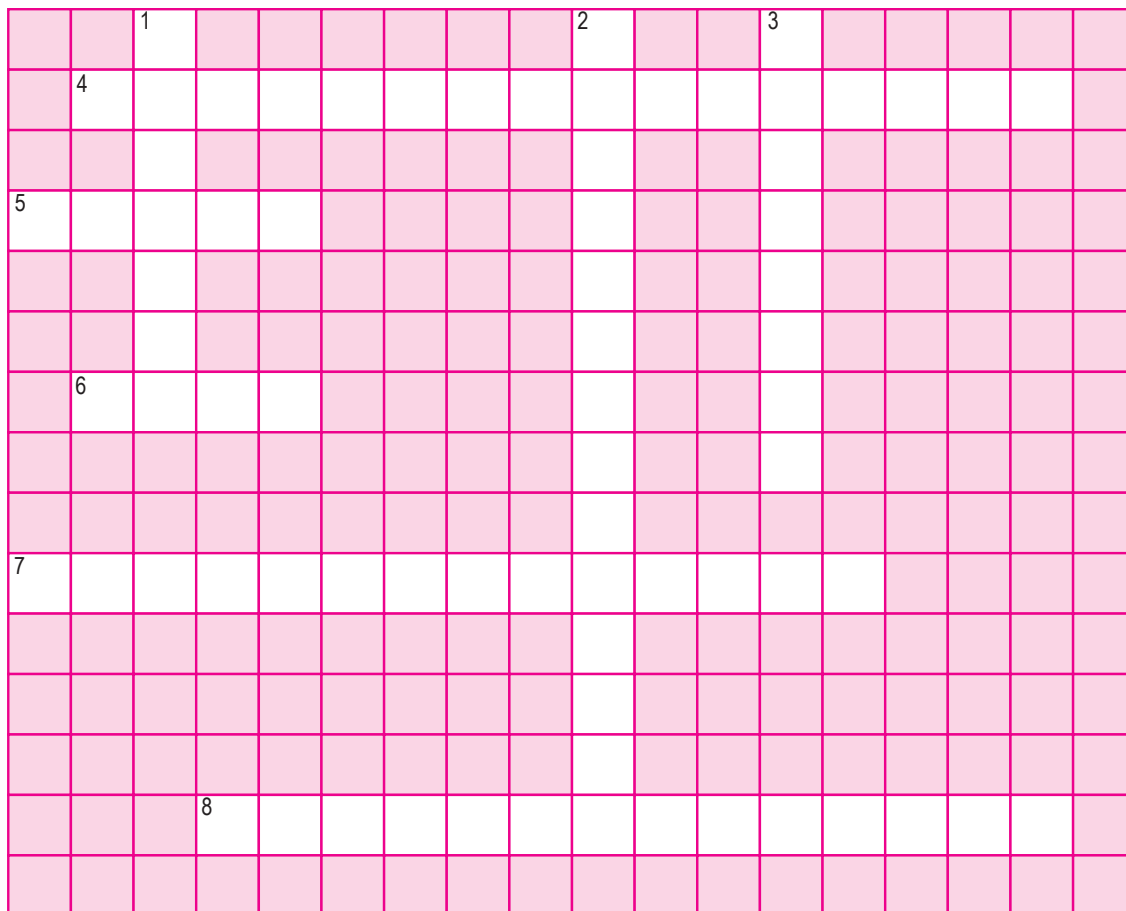
Grade: IX

Date: .....

Name: .....

ID No.....

## Crossword Puzzle



### Across:

4. If resultant of forces acting on a body is non-zero, the state of rest or motion of the body changes, such forces acting on the body are called \_\_\_\_\_. (10, 6)
5. A push or pull that changes or tend to change the state of rest or of uniform motion, direction of motion, or the shape and size of a body. (5)
6. A measure of inertia. (4)
7. The force that acts on a body for a very short time but produces a large change in the momentum of the body. (9, 5)
8. If a number of forces are acting on a body and the body does not move, then the forces are said to be \_\_\_\_\_. (8, 6)

### Down:

1. The property of a body to oppose any change in its state of rest or of uniform motion in a straight line. (7)
2. The single force which acts on a body to produce the same effect in it as is done by all the forces collectively. (9, 5)
3. The product of mass and velocity. (8)