

## Class VIII Physics

1. Fill in the blanks.

a. Force is a ----- quantity.

b. ----- force can change shape/size only.

c. Force contains both ----- and -----.

d. To draw water from a well, we have to ----- the rope.

e. Spring balance measures ----- of the body.

f. S.I. unit of force is -----.

g. Balanced force cannot change ----- of the body.

h. A body ----- change its ----- of motion/direction of motion.

i. 1N force produces an acceleration of -----  $\text{m/s}^2$  in a mass of ----- kg.

2. What is Law of inertia?

3. Differentiate balanced and unbalanced forces.

4. Write three effects of force.