

Class : VIII
Subject : Physics



FORCE

1. Mention the SI unit of force. Give the name of the scientist after whom it is named.
2. What is the requirement for force to come into action?
3. Define Force. How is force represented?
4. Mention the effects of Force. Give two examples for each effect.
5. Define Net force.
6. Explain how the direction of forces acting on the body affects the Net force.
7. Differentiate between balanced and unbalanced forces. Give two examples for each force.
8. Define state of rest.
9. Mention briefly about the two states of motion.
10. Justify the need of Frictional force.
11. Mention the factors by which the strength of the force is expressed.
12. Differentiate between Gravity and Gravitational force.
13. Mention the importance of Gravitational force.
14. Some forces are called contact forces and some non-contact forces. Justify.
15. Differentiate between Electrostatic and Magnetic forces.
16. Identify the force that tends to slow down objects or keep them from moving? Give two examples for each case.
17. What measures the Gravitational pull of an object – weight or mass?
18. Differentiate between weight and mass.
19. Does force acting on a body always cause a change in its state of motion? Illustrate with an example.
20. 1. Define the following:
 - a. Muscular Force
 - b. Electrostatic force
 - c. Gravitational Force
 - d. Frictional Force
 - e. Magnetic force
 2. Mention whether they are contact or non-contact forces
 3. Specify the force – whether it is a push or a pull or both