

Chapter 8: Force and Pressure

1. A push or a pull on an object is called ____.
2. Force has both ____ and ____.
3. The force which can change the state of motion of a body is called ____.
4. When two forces act in the same direction, their magnitudes ____.
5. The pressure is defined as ____ per unit ____.
6. The SI unit of force is ____.
7. Liquids and gases exert ____ in all directions.
8. Atmospheric pressure ____ with height.
9. When we hammer a nail into wood, the force exerted by the hammer is called ____ force

10. The force which always opposes motion is:
 - a) Magnetic force b) Frictional force
 - c) Muscular force d) Gravitational force
11. Pressure depends on:
 - a) Area of contact b) Force applied
 - c) Both (a) and (b) d) None
12. A sharp knife cuts better than a blunt knife because:
 - a) It is heavier b) It has a smaller area of contact
 - c) It is longer d) It is made of iron
13. Which of the following is a contact force?
 - a) Magnetic force b) Gravitational force
 - c) Frictional force d) Electrostatic force

14. Define force.
15. Name two effects that a force can produce on an object.
16. Differentiate contact force and noncontact force.
17. Define gravitational force.
18. Define electrostatic force and muscular force.
19. Define atmospheric pressure.
20. A blacksmith hammers a hot piece of iron while making a tool .How does the force due to hammering affect the piece of iron?