

8th

Force and pressure - Assignments

1. Define force. What are its SI unit?
2. What is the effect of force on an object?
3. What is different type of forces? Describe giving example
4. What is motion? How motion and rest are relative. Explain?
5. What is the difference between Distance and displacement?
6. What do you mean by speed and velocity?
7. What are the Newton's law of Motion?
8. What is inertia? What are its types?
9. Why leaves get detached if we shake the tree?
10. Why we get fatigue when waiting for train sitting on the platform?
11. What do you mean by thrust?
12. What is pressure? What is their SI unit?
13. What are the factors at which pressure depends on?
14. Why school bag has broad straps as handle?
15. Why war tank move on caterpillar tracks which are broad and chain like and cover wheel?
16. Why it is easy to cut with sharp knife instead of blunt?
17. What are fluids?
18. What is liquid pressure? What instrument used to measure it?
19. What is atmospheric pressure? How it is measured?
19. What are Buoyancy and Buoyant force?(When a body is partially or completely immersed in liquid appear to became lighter called Buoyancy. This force acting in the upward direction called Upthrust or buoyant force)

20. State Archimedes principle.(When a body is partially or completely immersed in liquid experience a buoyant force which is equal to the weight of liquid displaced by it)
21. Why does ship float but nail sink in water?
22. State principal of floatation? (A body float in a liquid if the weight of the liquid displaced by its immersed portion is equal to its own weight)
23. What is density? How it is related to floating a body on water?
24. What do you mean by apparent weight of body?
25. What is momentum?