

Name :
Class: VIIISubject : Physics
Date:

1. What is the role of air pressure in filling of syringe with air?
2. Why do sea divers wear specially designed suits?
3. What is frictional force? When will it act?
4. More force is required to start the body from rest than to keep it moving. Explain.
5. Friction force is a self-regulating force. Explain.
6. What is a fluid friction? What factors does fluid friction depends?
7. Imagine that a few pebbles are thrown on the tar road and a vehicle is moving on it. Will the frictional force increase or decrease?
8. A horse is pulling on a cart and the cart pulls back with the same amount of force. If all forces are equal, how can the horse and cart move?
9. What would happen if light is thrown on the mirror along the normal?
10. What is meant by lateral inversion?
11. If an object is placed at a distance of 10cm in front of a mirror, how far would it be forming its image?
12. Why the word AMBULANCE is written as its mirror image in front of the hospital vans?
13. Light changes its direction when it falls on a smooth surface. Explain.
14. Why band of colours are produced when white light falls on a prism?
15. In old age, sometimes the eye sight become foggy. Why?
16. For an object placed between two mirrors, infinite images are formed. Explain.
17. If a boy applies a force of 16N on an area of 16cm^2 , what will be the pressure produced by him?
18. Can force act without an interaction between two objects? Give an example to explain.
19. Why is it easier to walk on rough surfaces than on smooth surfaces?
20. Explain why a needle pierces a piece of cloth easily.