

Board – CBSE

Class – 8

Topic – Force and Pressure

Answer the following in one word or very briefly

1. Is weight a force? Write the SI unit of force,
2. What are the different types of forces?
3. Define one kgf.
4. Name two units of force.
5. Is force a scalar or a vector?
6. What are electrostatic forces?
7. What is the main use of a spring balance?
8. Write the SI unit of pressure,
9. What is a manometer?
10. What is atmospheric pressure at sea level?
11. Name the natural force that slows down a moving body.
12. Give two advantages of friction.
13. Give two disadvantages of friction.
14. Distinguish between mass and weight.
15. Define the weight of a body. Name the unit used to measure it.
16. What are the factors on which the pressure of a liquid depends?
17. Why are railway tracks laid on wooden or iron sleepers?
18. Why do we feel pain when we walk on the ground having small pebbles?
19. Explain how it is possible to drink a liquid by using a straw?
20. Why are dams made broader at the bottom than at the top?

Answer the following in appropriate detail

21. Explain in suitable detail the effect of force on a body.
22. Explain the basic principle of gravitational force. How will you measure it? Write its SI

unit.

23. Define force. Briefly explain different units of force.

24. (i) What do you mean by atmospheric pressure?

(ii) Why does a fountain pen start leaking at higher altitudes?

25. Briefly explain the principle, construction and working of a manometer.

26. Give two examples of pressure in everyday life.

27. Why is one end of a drawing pin kept wide but the other end very sharp?

28. What is force? Explain the four effects a force can produce, giving relevant examples.

29. Explain contact and non-contact forces by giving suitable examples.

30. Why is one end of a drawing pin kept wide but the other end very sharp?