

Pt. YadRam Sec Public School
Bhajanpura Delhi- 110053
Worksheet 2026-2027
Class -8th Science
Ch-6 Pressure, Winds, Storms and cyclones

Q1. Choose the correct option:

- 1) The SI unit of pressure is:
a) Pascal b) newton-meter
c) Newton d) Newton/metre
- 2) A state of heavy rain accompanied by lightning and thunder is known as:
a) Wind b) Cyclone
c) Thunderstorm d) none of these

Q2. Fill in the blanks:

- 1) Atmospheric pressure acts in _____
- 2) The force acting on a unit area of a surface is called _____
- 3) The _____ the difference in air pressure, the faster the air moves.

Q3. True or False:

- 1) The weather is stormy at the eye of a cyclone. ()
- 2) Liquids exert pressure only at the bottom of a container. ()
- 3) Atmospheric pressure is higher at sea level. ()

Q4. Calculate the pressure if a force of 5 N is applied to an area of 10 mm².

Q5. What is atmospheric pressure?

Q6. Why do backpacks have wide straps?

Q7. Explain how a storm becomes a cyclone.

Q8. An elephant stands on four feet. If the area covered by one foot is 0.25 m², calculate the pressure exerted by the elephant on the ground if its weight is 20000 N.

Q9. Why are holes made in banners and hoardings?

Q10. What is a thunderstorm? Explain the process of its formation.