

Chapter-2

Worksheet-1

Section 1

- Q1. Name two devices that forecast a cyclone.
- Q2. Describe the two cyclones that hit Odisha in 1999.
- Q3. When we pour cold water over the can half-filled with hot water, the can slowly get crumpled, why?
- Q4. The warm air is lighter than the cold air. Explain.
- Q5. What is a tornado? Describe
- Q6. Explain how are wind currents generated due to uneven heating between the equator and the poles.
- Q7. What are the precautions we must take if a storm is accompanied by lightning?
- Q8. A house near coastal area has a flag on its roof. Towards which direction the flag will be blown in the afternoon? Explain.
- Q9. You want to buy a house. Would you like to buy a house having windows but no ventilators? Explain your answer.
- Q10. How do cyclones effect the environment?

Section 2

- Q11. Equators are the region of _____ pressure while pole are regions of _____ pressure.
- a) High, low
 - b) Low, High

- c) Low, Low
- d) High, High

Q12. The eye of the cyclone is _____

- a) Cloudy and highly stormy
- b) Full of strong winds
- c) Calm and Cloudless
- d) Site with high atmospheric pressure.

Q13. The paper ball kept near the mouth of a plastic bottle will be pushed out because

- a) the air pressure inside the bottle is same as that at the mouth
- b) the air pressure inside the bottle is more than that at the mouth
- c) the air pressure inside the bottle is less than that at the mouth
- d) the pressure inside and outside the bottle same.

Q14. Air moves faster between two places when the pressure difference between the place is _____

- a) Less
- b) More
- c) Zero
- d) Equal to atmospheric pressure

Q15. A cyclone is called _____ in the American continent

- a) Hurricane
- b) Typhoon
- c) Tornado
- d) Thunderstorm

Q16. Which of the following is the best thing to do during heavy lightning?

- a) Lying on the ground in an open place
- b) Going into the nearest water body
- c) Staying indoors away from metallic doors or windows
- d) Standing under a tall tree

Q17. During the formation of rain, what happens when water vapor changes to rain drops?

- a) Heat is absorbed.
- b) Heat is released.
- c) Heat is first absorbed and then released.
- d) There is no exchange of heat.

Q18. The winds on the earth do not flow in the exact "north to south" or "south to north" directions. Why?

- a) Due to the seasons of the earth
- b) Due to the shape of the earth
- c) Due to the rotation of the earth
- d) Due to the revolution of the earth

Q19. What is the best thing to do when strong winds blow over a hut having a weak thatched roof?

- a) Open the doors and windows
- b) Close all the doors and windows
- c) Make holes in the roof
- d) Burn wood inside

Q20. Which of the following has the highest pressure?

- a) Soft drink in a straw
- b) The air
- c) Soft drink in a glass
- d) A closed bottle