

Name: _____ Date: _____

Winds, Storms and Cyclones

Q1. What precautions should we take if a storm is accompanied by lightning?

Ans. _____

Q2. Write an experiment to show that air exerts pressure.

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Winds, Storms and Cyclones

Q1. What precautions should we take if a storm is accompanied by lightning?

Ans. If a storm is accompanied by lightning, we must take the following precautions:

- i. Do not take shelter under an isolated tree. If you are in a forest take shelter under a small tree. Do not lie on the ground.
- ii. Do not take shelter under an umbrella with a metallic end.
- iii. Do not sit near a window. Open garages, storage sheds, metal sheds are not safe places to take shelter.
- iv. A car or a bus is a safe place to take shelter.
- v. If you are in water, get out and go inside a building.

Q2. Write an experiment to show that air exerts pressure.

Ans. Take a tin can with a lid. Fill it approximately half with water. Heat the can on a candle flame till the water boils. Let the water boil for a few minutes. Blow out the candle. Immediately put the lid tightly on the can. Put the can carefully in a shallow metallic vessel or a washbasin. Pour fresh water over the can. As water is poured over the can, some steam in the can condenses into water, reducing the amount of air inside. The pressure of air inside the can decreases than the pressure exerted by the air from outside the can. As a result the can gets compressed.

