

Name: _____ Date: _____

Winds, Storms and Cyclones

Q1. Take a soft plastic bottle. Fill it with hot water. Empty the bottle and immediately cap it tightly. Place the bottle under running water. Shape of the bottle gets distorted. Explain why the bottle gets distorted?

Ans. _____

Q2. You want to buy a house. Would you like to buy a house having windows but no ventilators? Explain your answer.

Ans. _____

Q3. How will you help your neighbours in case cyclone approaches your village/town?

Ans. _____

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Q1. Take a soft plastic bottle. Fill it with hot water. Empty the bottle and immediately cap it tightly. Place the bottle under running water. Shape of the bottle gets distorted. Explain why the bottle gets distorted?

Ans. As water is poured over the bottle, some steam in the bottle condenses into water, reducing the amount of air inside. The pressure of air inside the bottle decreases than the pressure exerted by the air from outside the bottle. As a result the can gets compressed.

Q2. You want to buy a house. Would you like to buy a house having windows but no ventilators? Explain your answer.

Ans. As warm air rises, air pressure at that place is reduced and the cooler air moves to that place. This warm air goes out from the house mostly through ventilators. If a house does not have ventilators then the warm cannot go out easily and circulation of air will not happen. Hence, I would not prefer a house having windows but no ventilators.

Q3. How will you help your neighbours in case cyclone approaches your village/town?

Ans. I will help my neighbours in case cyclone approaches our village/town:

i. By making them aware of cyclone forecast and warning service.

ii. By helping them to shift the essential household goods, domestic animals and vehicles, etc. to safer places.

iii. By calling emergency services like police, fire brigade, and medical centres in case of need.