

Name: _____ Date: _____

Winds, Storms and Cyclones

Q1. Write an experiment to show that on heating the air expands and occupies more space.

Ans. _____

Q2. How technologies help people to be protected from cyclone?

Ans. _____

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Q1. Write an experiment to show that on heating the air expands and occupies more space.

Ans. Take two paper bags or empty paper cups of the same size. Hang the two bags in the inverted position on the two ends of a metal or wooden stick. Tie a piece of thread in the middle of the stick. Hold the stick by the thread as in a balance. Put a burning candle below one of the bags. We will see that the balance of the bags gets disturbed. This happens as the warm air rises up, it pushes the bag above the candle.



Image from NCERT

Q2. How technologies help people to be protected from cyclone?

Ans. These days we are better protected. In the early part of the last century, coastal residents may have had less than a day to prepare or evacuate their homes from an oncoming cyclone. The world today is very different. Thanks to satellites and radars, a Cyclone alert or Cyclone watch is issued 48 hours in advance of any expected storm and a Cyclone warning is issued 24 hrs in advance. The message is broadcast every hour or half hour when a cyclone is nearer the coast. Several national and international organisations cooperate to monitor the cyclone-related disasters.