

CHAPTER 08**AIR, WINDS AND CYCLONES****SUMMARY:**

- Air is a mixture of gases. It consists of oxygen and carbon dioxide, which are essential to us.
- Air is made of matter and has weight. It does take up space.
- Air can heat up or cool down and thus can become denser and less dense.
- Wind is the movement of air due to the pressure difference between two places.
- At the equator, the hot air rises and at the poles the cool air sinks.
- Whenever sunlight strikes the Earth, it heats things unevenly.
- Wind distributes the heat equally around the world.
- Wind blowing at a certain speed is called breeze.
- This differential heating and cooling of land and sea give rise to a gentle to a moderate wind, termed as breeze.
- The air rushes from high-pressure area (land) to low pressure area (sea) creating a breeze known as Land breeze.
- The air rushes from high-pressure area (sea) to low pressure area (land) to create a sea breeze.
- Air pressure differences over the ocean can cause fast, spinning winds.
- The heavy rains and strong winds are the main effects of cyclones.