

# SCIENCE NOTES

## THE RESPIRATORY SYSTEM



The transport system that takes air into the body when we breathe is called the **respiratory system**. The parts of the respiratory system are the **nose, mouth, trachea, lungs and diaphragm**.

Air enters the body through the **nose or mouth** and goes down the **windpipe or trachea** into the **lungs**. In the lungs the air goes into air sacs called **alveoli**. The alveoli are at the ends of tiny air tubes. As blood passes through the lungs, it gives off carbon dioxide and takes in oxygen. The respiratory system and the circulatory system work together during respiration.

The **diaphragm** is a dome-shaped muscle used in breathing. It is at the bottom of the lungs. When breathing in the diaphragm contracts or tightens. When breathing out, the diaphragm relaxes.

