

THE RESPIRATORY SYSTEM

1. **Respiration :—**
 - a. Inspiration.
 - b. Expiration.
 - c. Purpose of each.
2. **The Organs of Respiration :—**
 - a. **The Lungs :—**
 1. Position, parts, sub-divisions.
 2. Cells, number, arrangement, walls.
 3. Passages--flexible tissue.
 4. Capacity and action.
 5. Lining--mucous membrane.
 6. Covering (pleura)--serous membrane.
 - b. **The Air Passages:—**
 1. Glottis, larynx, trachea, bronchi.
 2. Composed of tissue and cartilage.
 3. Lining--cilia, mucous membrane
3. **Organs connected with Respiration :—**
 - a. Mouth and nose.
 - b. Muscles of chest and diaphragm.
 - c. Pulmonary blood-vessels.
 - d. The vocal organs.
4. **Air :—**
 - a. Pure air.
 - b. Exhaled air.
 - c. Effects of re-breathing air.
 - d. Ventilation--essentials.
 - e. Instances of lack of ventilation.
 - f. Nature's provisions to purify the air.
5. **Diseases of the Respiratory Organs.**
6. **Hygiene and Respiration :—**
 - a. General.
 - b. Alcohol—See Chapter VI.
 - c. Tobacco--See Chapter VII.