

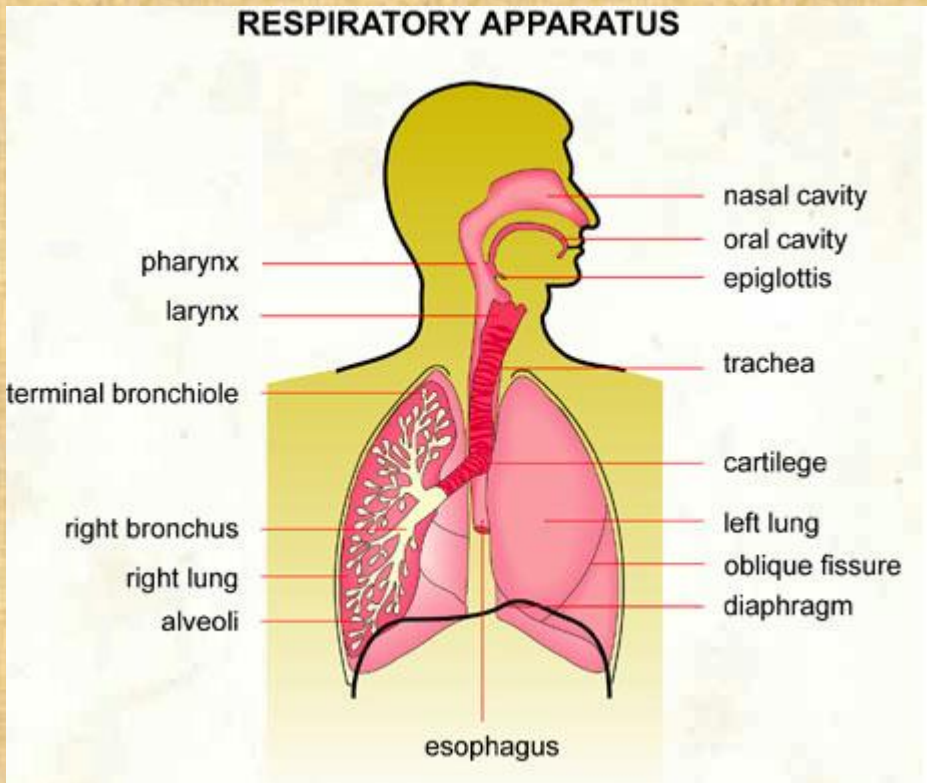
Chapter 6

LIFE PROCESSES

Respiration in Humans:

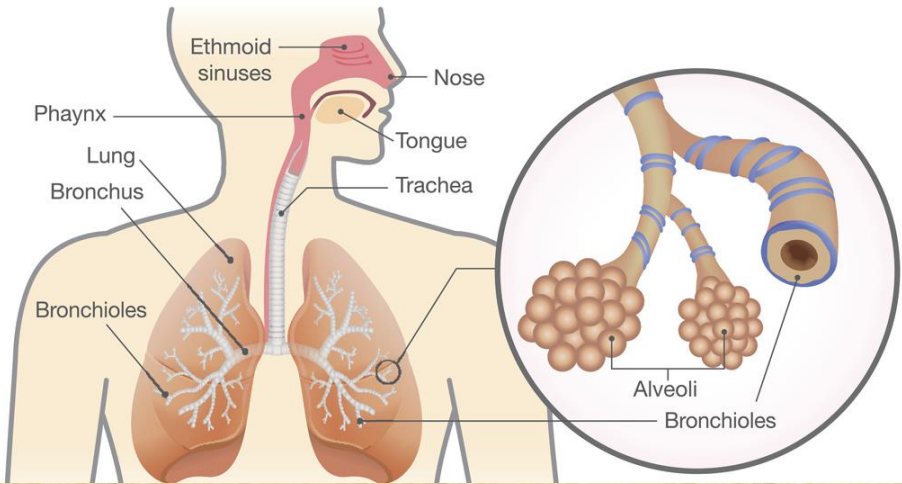
The main organs of the respiratory system are nostrils, nasal cavity, pharynx, larynx, trachea, bronchi, bronchioles, lungs and diaphragm.

Air enter through the nostrils.



- A. The hairs and mucous traps the dust particles.
- B. It then passes through the pharynx, larynx, trachea, bronchi and enters the lungs.
- C. The bronchi divides into smaller tubes called bronchioles which ends in tiny air sacs called alveoli.

Respiratory System



Mechanism of breathing:

When we breathe in air, the muscles of the diaphragm contracts and moves downward and the chest cavity expands and air enters into the lungs.

When we breathe out air, the muscles of the diaphragm relaxes and moves upward and the chest cavity contracts and air goes out of the lungs.

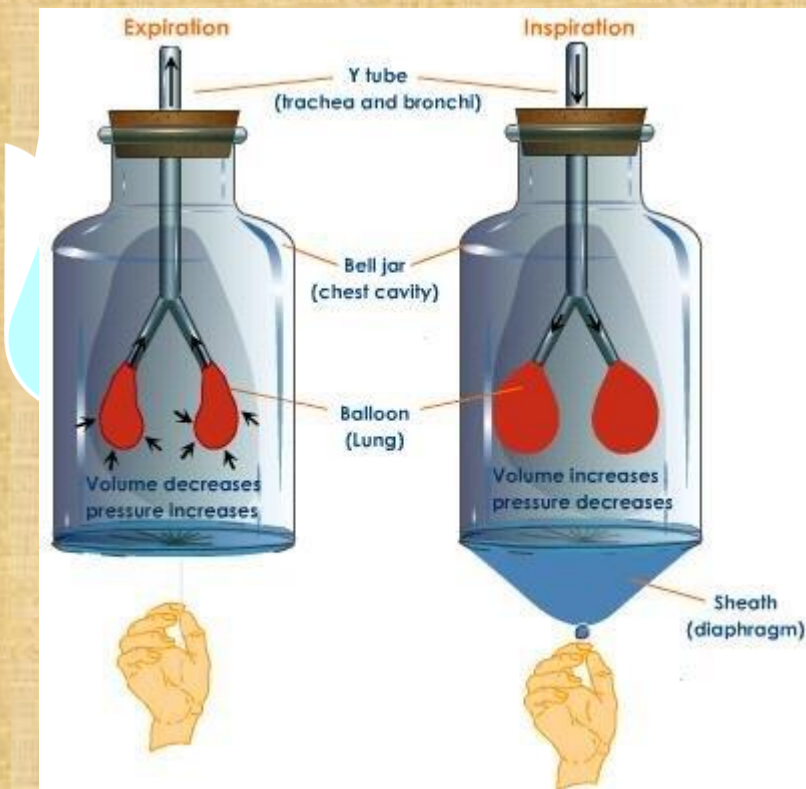
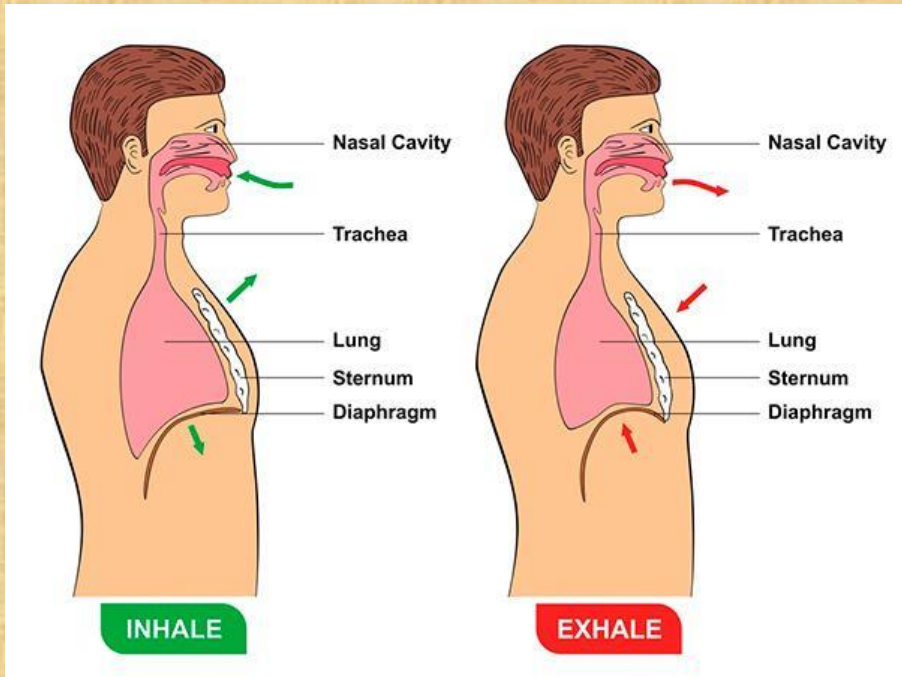


Fig. Human breathing mechanism