

UNIT 9 - Respiratory System

STANDARDS AND OBJECTIVES

STANDARD

09 Students will describe the structures and functions associated with the respiratory system.

OBJECTIVES

- 09.01 Identify the general functions of the respiratory system.
- 09.02 Sequence the organs of the respiratory system in the order which air will pass through them from the exterior. (nose or mouth, pharynx, larynx, trachea, bronchi, bronchioles, alveolar duct, alveoli).
- 09.03 Identify the three regions of the pharynx.
(nasopharynx, oropharynx and laryngopharynx)
- 09.04 Identify the following anatomical features of the larynx.
(epiglottis, glottis, hyoid bone, thyroid cartilage, cricoid cartilage, true and false vocal cords)
- 09.05 Identify the coverings of the lungs and the gross anatomical features of the lungs.
(apex, base, lobes, visceral pleura, parietal pleura, pleural cavity)
- 09.06 Identify the site at which gas exchange occurs in the lungs. (alveoli)
- 09.07 Identify the volumes and capacities of air exchanged during ventilation.
(tidal volume, vital capacity)
- 09.08 Differentiate between ventilation, external respiration, and internal respiration.
- 09.09 Describe the effects of carbon dioxide on ventilation.
- 09.10 Identify the following diseases or disorders of the respiratory system.
(emphysema, influenza, lung cancer, pneumonia, SIDS, tuberculosis)