



Specific Objectives by Chapter and Topic:

Upon Completion of each instructional unit, the student should be able to:



21. Chapter 21, Root Formation and Attachment Apparatus
 - a. Define and diagram alveolar bone and its components.
 - b. Describe the fate of the epithelial root sheath.
 - c. Examine the beginning of cementum formation, the two varieties, and where they are found.
 - d. Evaluate periodontal ligament and list its various groups and subgroups of fibers.
 - e. Share with a peer about the bone's reaction to pressure and tension and how this affects tooth movement.
22. Chapter 22, Eruption and Shedding of Teeth
 - a. Define the three stages of active tooth eruption and the points at which each stage begins.
 - b. Describe the fate of the epithelial layers covering the crown of the tooth.
 - c. Examine briefly what causes the shedding of primary teeth.
 - d. Evaluate the origin and position of permanent teeth compared with deciduous teeth.
 - e. Share with a peer about the factors that lead to a retained primary tooth.
23. Chapter 23, Oral Mucosa
 - a. Define the three categories of oral mucosa.
 - b. Describe the four stages of passive eruption.
 - c. Examine the typical clinical picture of the normal gingiva.
 - d. Evaluate some of the changes seen in diseased gingiva.
 - e. Share with a peer what the submucosa is and where it is found.
24. Chapter 24, The Tongue
 - a. Define embryonic germ layers.
 - b. Describe how tongue movement is accomplished.
 - c. Examine the papillae of the tongue and their function.
 - d. Evaluate the difference between the extrinsic and intrinsic muscles of the tongue.
 - e. Share with a peer the kind of changes seen on the tongue that indicate health problems.



Specific Objectives by Chapter and Topic:

Upon Completion of each instructional unit, the student should be able to:



25. Chapter 25, Histology of the Salivary Glands

- a. Define the functions of saliva.
- b. Describe the components of a salivary gland.
- c. Examine the duct system of a salivary gland.
- d. Evaluate how saliva is formed and modified before secretion.
- e. Share with a peer about the arrangement of the cells of a mixed salivary gland.

26. Chapter 26, Osteology of the Skull

- a. Name the bones of the neurocranium and viscerocranium
- b. Describe the boundaries of the three cranial fossae and what lies within them.
- c. Examine the openings, foramina, and canals as seen from the aforementioned views.
- d. Evaluate in detail the various parts and landmarks of the maxillae and mandible.
- e. Share with a peer where growth takes place in the maxillae and mandible to allow for increase in arch length.

27. Chapter 27, Nose, Nasal Cavity, and Paranasal Sinuses

- a. Define the terms nose, nasal cavity, and paranasal sinuses.
- b. Describe the function of the nasal cavity, nasal epithelium, and paranasal sinuses.
- c. Examine the anatomic relationship between the maxillary sinus and maxillary teeth.
- d. Evaluate the relationship between maxillary teeth and maxillary sinus in infections of either one
- e. Share with a peer the anatomy of the nose, nasal cavity, and paranasal sinuses.

28. Chapter 28, Muscles of Mastication, Hyoid Muscles, Sternocleidomastoid, and Trapezius Muscles.

- a. Name the suprahyoid and infrahyoid muscles.
- b. Describe the functions of the sternocleidomastoid and trapezius muscles.
- c. Examine the origin, insertion, action, and nerve and blood supply of the muscles of mastication.
- d. Evaluate the muscles according to their roles in elevation, depression, protrusion, retrusion, and lateral excursion of the mandible.
- e. Share with a peer the muscles of mastication.

