

Kierszenbaum: Histology and Cell Biology, 3rd Edition

Test Bank

Chapter 2: Epithelial Glands

MULTIPLE CHOICE

1. Exocrine glands are derived from
 - A. Connective tissue
 - B. Endocrine glands
 - C. Epithelial tissue
 - D. Muscle tissue
 - E. Nervous tissue

Ans: C. Epithelial tissue

2. Which of the following is the site of steroid hormone synthesis?
 - A. Golgi apparatus
 - B. Mitochondria
 - C. Ribosomes
 - D. Rough endoplasmic reticulum
 - E. Smooth endoplasmic reticulum

Ans: E. Smooth endoplasmic reticulum

3. Facilitated diffusion
 - A. Is another name for osmosis
 - B. Occurs against a concentration gradient
 - C. Occurs through pores in the phospholipid bilayer
 - D. Requires specialized proteins
 - E. Requires energy

Ans: D. Requires specialized proteins

4. Which organelle is responsible for degrading proteins?
 - A. Golgi apparatus
 - B. Lysosome
 - C. Mitochondrion
 - D. Rough endoplasmic reticulum
 - E. Smooth endoplasmic reticulum

Ans: B. Lysosome

5. Which phrase does NOT describe one of the functions of proteins of the plasma membrane?
 - A. Acting as a receptor for substances external to the cell
 - B. Binding to a substance to carry it through the membrane
 - C. Forming a channel through the membrane

- D. Increasing the rate of a chemical reaction
- E. Initiating the replication of the genetic material

Ans: E. Initiating the replication of the genetic material

6. The mode of exocrine gland secretion in which the secretory product is released in a pinched-off piece of the plasma membrane is
- A. Apocrine
 - B. Eccrine
 - C. Endocrine
 - D. Holocrine
 - E. Merocrine

Ans: A. Apocrine