# 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

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- 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