

## **Kierszenbaum: Histology and Cell Biology, 3<sup>rd</sup> 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