

Practice questions: Endocrine System

True or False?

1. ___ Steroid hormones can interact with receptors in the nucleus of a cell.
2. ___ Prostaglandins travel long distances through the blood stream to their target cells.
3. ___ The majority of hormones are steroid based hormones.
4. ___ One endocrine gland may secrete more than one hormone.
5. ___ The ovary, testis and cortex of the adrenal gland produce amino acid based hormones.

Key: a. humoral control b. neural control c. hormonal control d. B & C

6. ___ Which form of control involves a nutrient in the blood interacting directly with a gland, causing that gland to release its hormone?
7. ___ Which form of control involves **releasing hormones** that stimulate the anterior pituitary gland?
8. ___ Which form of control regulates the release of hormones from the posterior pituitary gland and melatonin from the pineal gland?
9. ___ Which form of control can involve the hypothalamus?

Answers: 1. (T) 2. (F) 3. (F) 4. (T) 5. (F) 6. (A) 7. (C) 8. (B) 9. (D)