

1. Which of the following is a space or fluid in which you would not expect to find a hormone?
  - a. blood plasma
  - b. interstitial fluid
  - c. duct
  - d. capillaries
2. The ability of a hormone to affect the activities of a particular cell depends on that cell having specific receptors with which the hormone molecules can bind. The number of receptors present in a target cell is a constant, invariable number.
  - a. Both statements are true.
  - b. Both statements are false.
  - c. The first statement is true; the second is false.
  - d. The second statement is true; the first is false.
3. Which of the following hormones has the ovaries and testes as its target tissue?
  - a. follicle-stimulating hormone
  - b. relaxin
  - c. inhibin
  - d. progesterone
4. The \_\_\_\_\_ is the main link between the nervous system and the endocrine system, due to its control over secretory activities of the \_\_\_\_\_ gland.
  - a. thalamus, pituitary
  - b. hypothalamus, thyroid
  - c. brain stem, thyroid
  - d. hypothalamus, pituitary
5. The hypophyseal portal veins:
  - a. supply blood to the primary plexus capillaries in the base of the hypothalamus.
  - b. carry hypothalamic hormones to the posterior pituitary.
  - c. receive anterior pituitary hormones as they are secreted.
  - d. receive posterior pituitary hormones via the plexus of the infundibular process.
6. If the anterior pituitary ceased to function, which of the following would not be directly affected?
  - a. mammary glands
  - b. kidneys
  - c. thyroid gland
  - d. adrenal cortex
7. The two lobes of the thyroid gland are joined by a mass of tissue called the \_\_\_\_\_.
  - a. isthmus
  - b. parathyroid
  - c. infundibulum
  - d. follicle
8. Thyroxine is a hormone that:
  - a. is produced by parafollicular, or C, cells.
  - b. is secreted along with thyroglobulin into the follicles of the thyroid gland.
  - c. is also known as T3 (triiodothyronine).
  - d. causes myxedema when produced in excess.
9. Which of the adrenal gland hormones is/are normally secreted in minute quantities?