

Endocrine Quiz

- 1. Which of the following has both endocrine and exocrine functions?**
 - a. anterior pituitary
 - b. thyroid
 - c. adrenal medulla
 - d. pancreas

- 2. Which of the following produce antagonistic results?**
 - a. calcitonin and parathyroid hormone
 - b. FSH and LH
 - c. ADH and vasopressin
 - d. oxytocin and prolactin

- 3. If you drank a liter of water very quickly, the result would be**
 - a. increased secretion of oxytocin
 - b. decreased secretion of antidiuretic hormone
 - c. decreased secretion of oxytocin
 - d. increased secretion of antidiuretic hormone

- 4. How is hormone secretion regulated?**
 - a. by the nervous system
 - b. by other hormones
 - c. by changes in blood composition
 - d. all of the above

- 5. Target cells for hypothalamic releasing hormones are in the**
 - a. thyroid
 - b. hypothalamus
 - c. anterior pituitary
 - d. posterior pituitary

- 6. The posterior pituitary gland stores and secretes**
 - a. oxytocin and antidiuretic hormone
 - b. human growth hormone and thyroid stimulating hormone
 - c. prolactin and follicle stimulating hormone
 - d. glucocorticoids and androgens

- 7. What stimulates the release of PTH from the parathyroid gland?**
- a. TSH from the posterior pituitary gland
 - b. high levels of calcium in the blood
 - c. calcitonin from the anterior pituitary gland
 - d. low levels of calcium in the blood
- 8. When an excess of a hormone is present, the number of target cell receptors may decrease. This change is called**
- a. adaptation
 - b. down-regulation
 - c. up-regulation
 - d. accommodation
- 9. The release of cortisol is stimulated by**
- a. aldosterone
 - b. angiotensin
 - c. antidiuretic hormone (ADH)
 - d. adrenocorticotrophic hormone (ACTH)
- 10. Which of the following is NOT a function of insulin?**
- a. increased cellular absorption of glucose
 - b. production is inhibited by low blood sugar
 - c. increased rate of glycogen synthesis
 - d. increased breakdown of lipids
- 11. The anterior pituitary gland**
- a. is regulated largely by positive feedback mechanisms and hormones from the pineal gland
 - b. contains two cell types and secretes four different hormones
 - c. regulates the function of some other endocrine glands by secreting hormones called tropins
 - d. all of the above are correct
- 12. This hormone is primarily responsible for regulating the rate of metabolism.**
- a. growth
 - b. thyroxine
 - c. adrenaline
 - d. norepinephrine

13. Surgical removal of the parathyroid glands would interfere with

- a. calcium regulation
- b. glucose metabolism
- c. temperature regulation
- d. production of red blood cells

14. The anterior pituitary gland secretes thyroid stimulating hormone (TSH) which is

- a. regulated by the adrenal glands
- b. actually produced in certain neurons in the hypothalamus
- c. promotes the synthesis and secretion of thyroid hormones
- d. an index of the amount of circulating parathyroid hormone

Answers

1. d
2. a
3. b
4. d
5. c
6. a
7. d
8. b
9. d
10. d
11. c
12. b
13. a
14. c