

Endocrine

1. Explain the origin of hormones
2. Design and explain the feedback loop for Thyroxin
3. Design and explain the feedback loop for insulin
4. Design and explain the feedback loop for parathyroid hormone
5. Design and explain the feedback loop for cortisol
6. Design and explain the feedback loop for aldosterone
7. Design and explain the feedback loop for ADH
8. Explain and draw the relationship between the hypothalamus and the pituitary
9. Explain how body temperature is regulated
10. Define hypothermia and state a situation in which a human might experience this problem
11. Define hormone and state the principal functions of hormones.
12. Identify and draw the endocrine glands
13. Support the assertion that the hypothalamus and pituitary are the neuroendocrine control center
14. Give examples of a negative feedback relationship in which the anterior pituitary is involved with another endocrine gland
15. Give positive feedback examples involving endocrine secretion
16. Describe the prostoglandins in terms of composition, sources and functions
17. State the characteristics of, possible causes of, and corrective measures for the following:
18. Dwarfism, gigantism, goiter, diabetes mellitus
19. State the hormone secreted, primary action and target organ for each of the following: adrenal cortex, adrenal medulla, thyroid, parathyroid, pancreas, thymus, hypothalamus (via posterior pituitary), anterior pituitary