

Endocrine System

Short Answer

1. What is the function of the endocrine system?
2. What is a hormone?
3. What are the 3 ways that the endocrine glands can be stimulated?

Matching: Match the hormones with the correct endocrine gland.

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|--|---|
| A. Androgens (Testosterone) | K. Insulin |
| B. Adrenocorticotrophic hormone | L. Luteinizing hormone |
| C. Antidiuretic hormone | M. Melatonin |
| D. Calcitonin | N. Oxytocin |
| E. Epinephrine and Norepinephrine | O. Parathyroid hormone |
| F. Estrogens | P. Progesterone |
| G. Follicle-stimulating hormone | Q. Prolactin |
| H. Glucagon | R. Thymosin |
| I. Glucocorticoids and Mineralcorticoids | S. Thyroid-stimulating hormone |
| J. Growth hormone | T. Thyroxine (T3) and Triiodothyronine (T4) |

1. Pineal Gland _____
2. Anterior Pituitary Gland _____
3. Posterior Pituitary Gland _____
4. Thyroid Gland _____
5. Parathyroid Gland _____
6. Thymus _____
7. Adrenal Medulla _____
8. Adrenal Cortex _____
9. Pancreas _____
10. Testes _____
11. Ovaries _____

Matching: Match the name of the hormone to its function

- | | |
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1. Involved in rhythmic activities (daily and seasonal – such as light/dark cycles)
2. Stimulates contraction of uterus and the milk “let down” reflex
3. Promotes retention of water by the kidneys
4. Stimulates growth of bones and muscles and metabolism
5. Stimulates milk production
6. Stimulates production of eggs and sperm
7. Stimulates ovaries and testes
8. Stimulates thyroid gland
9. Stimulates adrenal cortex to secrete glucocorticoids
10. Stimulates metabolism
11. Reduces blood calcium levels
12. Raises blood calcium levels
13. Programs T cells
14. Constrict blood vessels and increases respiration rate; fight or flight
15. Increases blood glucose; promote reabsorption of Na and excretion of K in kidneys
16. Reduces blood glucose
17. Raises blood glucose
18. Support sperm formation; development and maintenance of male secondary sex characteristics
19. Stimulate uterine lining growth; development and maintenance of female secondary sex characteristics
20. Promotes growth of uterine lining