
Human Physiology and Anatomy

Endocrine System Test Questions with Complete Answers

how is the release of most hormones maintained? - ANSWER-through negative feedback: when appropriate level is reached, hormone release stops

what stimulates the endocrine glands? - ANSWER-other hormones, humoral levels of a substance (calcium, glucose, etc.), nerve impulses

describe hormonal stimulation of endocrine glands: - ANSWER-endocrine glands are activated by hormones from other glands when levels of the stimulated gland's hormone rises enough, which inhibits the stimulating gland.

ex: hormone from anterior pituitary stimulates thyroid gland to produce thyroid hormone; anterior pituitary is stimulated by hypothalamus hormones

describe humoral stimulation of endocrine glands: - ANSWER-the hormone release is stimulated by changing blood levels of certain ions or nutrients

ex: changing levels of blood calcium stimulate production of parathyroid hormone and calcitonin

describe neural stimulation of endocrine glands: - ANSWER-nerve impulses stimulate hormone release

ex: release of epinephrine and norepinephrine by the adrenal medulla

what are the major endocrine organs? - ANSWER-1. hypothalamus (part of the nervous system, but produces several hormones)

2. pituitary gland

3. thyroid gland

4. parathyroid glands

5. adrenal glands

6. pineal gland

7. thymus gland

8. pancreas

9. gonads (ovaries and testies)

if you have a tumor, what may happen to your hormones? - ANSWER-the tumor might trigger an over-secretion of a certain hormone

ex: if you have a pituitary tumor, you are at risk of over secreting growth hormone

Anatomy Endocrine Packet Answers

Jiyuan Zhang



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