

# Anatomy & A&P 17 Endocrine System MCQ

Author: OpenStax College

Published 2014

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## 4. Chapter: A&P 17 Endocrine System MCQ

### 1. A&P 17 Endocrine System MCQ Questions

#### 4.1.1. Endocrine glands \_\_\_\_\_.

Author: OpenStax College

Endocrine glands \_\_\_\_\_.

Please choose only one answer:

- secrete hormones that travel through a duct to the target organs
- release neurotransmitters into the synaptic cleft
- secrete chemical messengers that travel in the bloodstream
- include sebaceous glands and sweat glands

Check the answer of this question online at QuizOver.com:

Question: [Endocrine glands . OpenStax College Anatomy Physiology 17: System](#)

Flashcards:

<http://www.quizover.com/flashcards/endocrine-glands-openstax-college-anatomy-physiology-17-system?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/endocrine-glands-openstax-college-anatomy-physiology-17-system?pdf=1505>

4.1.2. Chemical signaling that affects neighboring cells is called \_\_\_\_\_.

Author: OpenStax College

Chemical signaling that affects neighboring cells is called \_\_\_\_\_.

Please choose only one answer:

- autocrine
- paracrine
- endocrine
- neuron

Check the answer of this question online at QuizOver.com:

Question: [Chemical signaling that affects neighboring OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/chemical-signaling-that-affects-neighboring-openstax-college-anatomy?pdf=1505>

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#### 4.1.3. A newly developed pesticide has been observed to bind to an intrace...

Author: OpenStax College

A newly developed pesticide has been observed to bind to an intracellular hormone receptor. If ingested, residue from this pesticide could disrupt levels of \_\_\_\_\_.

Please choose only one answer:

- melatonin
- thyroid hormone
- growth hormone
- insulin

Check the answer of this question online at QuizOver.com:

Question: [A newly developed pesticide has been OpenStax College Anatomy Quest](#)

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<http://www.quizover.com/flashcards/a-newly-developed-pesticide-has-been-openstax-college-anatomy-quest?pdf=1505>

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#### 4.1.4. A small molecule binds to a G protein, preventing its activation. W...

Author: OpenStax College

A small molecule binds to a G protein, preventing its activation. What direct effect will this have on signaling that involves cAMP?

Please choose only one answer:

- The hormone will not be able to bind to the hormone receptor.
- Adenylyl cyclase will not be activated.
- Excessive quantities of cAMP will be produced.
- The phosphorylation cascade will be initiated.

Check the answer of this question online at QuizOver.com:

Question: [A small molecule binds to a G protein OpenStax College Anatomy Quest](#)

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#### 4.1.5. A student is in a car accident, and although not hurt, immediately ...

Author: OpenStax College

A student is in a car accident, and although not hurt, immediately experiences pupil dilation, increased heart rate, and rapid breathing. What type of endocrine system stimulus did the student receive?

Please choose only one answer:

- humoral
- hormonal
- neural
- positive feedback

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [A student is in a car accident and although OpenStax College Anatomy](http://www.quizover.com/question/a-student-is-in-a-car-accident-and-although-openstax-college-anatomy)

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#### 4.1.6. The hypothalamus is functionally and anatomically connected to the ...

Author: OpenStax College

The hypothalamus is functionally and anatomically connected to the posterior pituitary lobe by a bridge of \_\_\_\_\_.

Please choose only one answer:

- blood vessels
- nerve axons
- cartilage
- bone

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The hypothalamus is functionally and OpenStax College Anatomy Quest](http://www.quizover.com/question/the-hypothalamus-is-functionally-and-openstax-college-anatomy-quest?pdf=1505)

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#### 4.1.7. Which of the following is an anterior pituitary hormone?

Author: OpenStax College

Which of the following is an anterior pituitary hormone?

Please choose only one answer:

- ADH
- oxytocin
- TSH
- cortisol

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is an anterior OpenStax College Anatomy Quest](#)

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#### 4.1.8. How many hormones are produced by the posterior pituitary?

Author: OpenStax College

How many hormones are produced by the posterior pituitary?

Please choose only one answer:

- 0
- 1
- 2
- 6

Check the answer of this question online at QuizOver.com:

Question: [How many hormones are produced by the OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/how-many-hormones-are-produced-by-the-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

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#### 4.1.9. Which of the following hormones contributes to the regulation of th...

Author: OpenStax College

Which of the following hormones contributes to the regulation of the body's fluid and electrolyte balance?

Please choose only one answer:

- adrenocorticotrophic hormone
- antidiuretic hormone
- luteinizing hormone
- all of the above

Check the answer of this question online at QuizOver.com:

Question: [Which of the following hormones contributes OpenStax College Anatomy](#)

Flashcards:

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#### 4.1.10. Which of the following statements about the thyroid gland is true?

Author: OpenStax College

Which of the following statements about the thyroid gland is true?

Please choose only one answer:

- It is located anterior to the trachea and inferior to the larynx.
- The parathyroid glands are embedded within it.
- It manufactures three hormones.
- all of the above

Check the answer of this question online at QuizOver.com:

Question: [Which of the following statements about OpenStax College Anatomy](#)

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4.1.11. The secretion of thyroid hormones is controlled by \_\_\_\_\_.

Author: OpenStax College

The secretion of thyroid hormones is controlled by \_\_\_\_\_.

Please choose only one answer:

- TSH from the hypothalamus
- TSH from the anterior pituitary
- thyroxine from the anterior pituitary
- thyroglobulin from the thyroid's parafollicular cells

Check the answer of this question online at QuizOver.com:

Question: [The secretion of thyroid hormones is OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/the-secretion-of-thyroid-hormones-is-openstax-college-anatomy-quest?pdf=1505>

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4.1.12. The development of a goiter indicates that \_\_\_\_\_.

Author: OpenStax College

The development of a goiter indicates that \_\_\_\_\_.

Please choose only one answer:

- the anterior pituitary is abnormally enlarged
- there is hypertrophy of the thyroid's follicle cells
- there is an excessive accumulation of colloid in the thyroid follicles
- the anterior pituitary is secreting excessive growth hormone

Check the answer of this question online at QuizOver.com:

Question: [The development of a goiter indicates that OpenStax College Anatomy](#)

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4.1.13. Iodide ions cross from the bloodstream into follicle cells via \_\_\_\_\_.

Author: OpenStax College

Iodide ions cross from the bloodstream into follicle cells via \_\_\_\_\_.

Please choose only one answer:

- simple diffusion
- facilitated diffusion
- active transport
- osmosis

Check the answer of this question online at QuizOver.com:

Question: [Iodide ions cross from the bloodstream OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/iodide-ions-cross-from-the-bloodstream-openstax-college-anatomy-quest?pdf=1505>

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4.1.14. When blood calcium levels are low, PTH stimulates \_\_\_\_\_.

Author: OpenStax College

When blood calcium levels are low, PTH stimulates \_\_\_\_\_.

Please choose only one answer:

- urinary excretion of calcium by the kidneys
- a reduction in calcium absorption from the intestines
- the activity of osteoblasts
- the activity of osteoclasts

Check the answer of this question online at QuizOver.com:

Question: [When blood calcium levels are low PTH OpenStax College Anatomy Quest](#)

Flashcards:

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#### 4.1.15. Which of the following can result from hyperparathyroidism?

Author: OpenStax College

Which of the following can result from hyperparathyroidism?

Please choose only one answer:

- increased bone deposition
- fractures
- convulsions
- all of the above

Check the answer of this question online at QuizOver.com:

Question: [Which of the following can result from OpenStax College Anatomy Quest](#)

Flashcards:

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#### 4.1.16. The adrenal glands are attached superiorly to which organ?

Author: OpenStax College

The adrenal glands are attached superiorly to which organ?

Please choose only one answer:

- thyroid
- liver
- kidneys
- hypothalamus

Check the answer of this question online at QuizOver.com:

Question: [The adrenal glands are attached superiorly OpenStax College Anatomy](#)

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<http://www.quizover.com/flashcards/the-adrenal-glands-are-attached-superiorly-openstax-college-anatomy?pdf=1505>

Interactive Question:

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#### 4.1.17. What secretory cell type is found in the adrenal medulla?

Author: OpenStax College

What secretory cell type is found in the adrenal medulla?

Please choose only one answer:

- chromaffin cells
- neuroglial cells
- follicle cells
- oxyphil cells

Check the answer of this question online at QuizOver.com:

Question: [What secretory cell type is found in the OpenStax College Anatomy](#)

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4.1.18. Cushing's disease is a disorder caused by \_\_\_\_\_.

Author: OpenStax College

Cushing's disease is a disorder caused by \_\_\_\_\_.

Please choose only one answer:

- abnormally low levels of cortisol
- abnormally high levels of cortisol
- abnormally low levels of aldosterone
- abnormally high levels of aldosterone

Check the answer of this question online at QuizOver.com:

Question: [Cushing's disease is a disorder caused by OpenStax College Anatomy](#)

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Interactive Question:

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#### 4.1.19. Which of the following responses is not part of the fight or flight ...

Author: OpenStax College

Which of the following responses is not part of the fight or flight response?

Please choose only one answer:

- pupil dilation
- increased oxygen supply to the lungs
- suppressed digestion
- reduced mental activity

Check the answer of this question online at QuizOver.com:

Question: [Which of the following responses is not OpenStax College Anatomy Quest](#)

Flashcards:

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#### 4.1.20. What cells secrete melatonin?

Author: OpenStax College

What cells secrete melatonin?

Please choose only one answer:

- melanocytes
- pinealocytes
- suprachiasmatic nucleus cells
- retinal cells

Check the answer of this question online at QuizOver.com:

Question: [What cells secrete melatonin OpenStax College Anatomy Physiology](#)

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4.1.21. The production of melatonin is inhibited by \_\_\_\_\_.

Author: OpenStax College

The production of melatonin is inhibited by \_\_\_\_\_.

Please choose only one answer:

- declining levels of light
- exposure to bright light
- the secretion of serotonin
- the activity of pinealocytes

Check the answer of this question online at QuizOver.com:

Question: [The production of melatonin is inhibited OpenStax College Anatomy](#)

Flashcards:

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#### 4.1.22. The gonads produce what class of hormones?

Author: OpenStax College

The gonads produce what class of hormones?

Please choose only one answer:

- amine hormones
- peptide hormones
- steroid hormones
- catecholamines

Check the answer of this question online at QuizOver.com:

Question: [The gonads produce what class of hormones OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/the-gonads-produce-what-class-of-hormones-openstax-college-anatomy?pdf=1505>

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#### 4.1.23. The production of FSH by the anterior pituitary is reduced by which...

Author: OpenStax College

The production of FSH by the anterior pituitary is reduced by which hormone?

Please choose only one answer:

- estrogens
- progesterone
- relaxin
- inhibin

Check the answer of this question online at QuizOver.com:

Question: [The production of FSH by the anterior OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/the-production-of-fsh-by-the-anterior-openstax-college-anatomy-quest?pdf=1505>

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#### 4.1.24. The function of the placental hormone human placental lactogen (hPL...

Author: OpenStax College

The function of the placental hormone human placental lactogen (hPL) is to \_\_\_\_\_.

Please choose only one answer:

- prepare the breasts for lactation
- nourish the placenta
- regulate the menstrual cycle
- all of the above

Check the answer of this question online at QuizOver.com:

Question: [The function of the placental hormone OpenStax College Anatomy Quest](#)

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4.1.25. If an autoimmune disorder targets the alpha cells, production of wh...

Author: OpenStax College

If an autoimmune disorder targets the alpha cells, production of which hormone would be directly affected?

Please choose only one answer:

- somatostatin
- pancreatic polypeptide
- insulin
- glucagon

Check the answer of this question online at QuizOver.com:

Question: [If an autoimmune disorder targets the OpenStax College Anatomy Quest](#)

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#### 4.1.26. Which of the following statements about insulin is true?

Author: OpenStax College

Which of the following statements about insulin is true?

Please choose only one answer:

- Insulin acts as a transport protein, carrying glucose across the cell membrane.
- Insulin facilitates the movement of intracellular glucose transporters to the cell membrane.
- Insulin stimulates the breakdown of stored glycogen into glucose.
- Insulin stimulates the kidneys to reabsorb glucose into the bloodstream.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following statements about OpenStax College Anatomy](#)

Flashcards:

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Interactive Question:

<http://www.quizover.com/question/which-of-the-following-statements-about-openstax-college-anato-1951125?pdf=1505>

#### 4.1.27. The walls of the atria produce which hormone?

Author: OpenStax College

The walls of the atria produce which hormone?

Please choose only one answer:

- cholecystokinin
- atrial natriuretic peptide
- renin
- calcitriol

Check the answer of this question online at QuizOver.com:

Question: [The walls of the atria produce which OpenStax College Anatomy Quest](#)

Flashcards:

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Interactive Question:

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4.1.28. The end result of the RAAS is to \_\_\_\_\_.

Author: OpenStax College

The end result of the RAAS is to \_\_\_\_\_.

Please choose only one answer:

- reduce blood volume
- increase blood glucose
- reduce blood pressure
- increase blood pressure

Check the answer of this question online at QuizOver.com:

Question: [The end result of the RAAS is to . OpenStax College Anatomy](#)

Flashcards:

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Interactive Question:

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4.1.29. Athletes may take synthetic EPO to boost their \_\_\_\_\_.

Author: OpenStax College

Athletes may take synthetic EPO to boost their \_\_\_\_\_.

Please choose only one answer:

- blood calcium levels
- secretion of growth hormone
- blood oxygen levels
- muscle mass

Check the answer of this question online at QuizOver.com:

Question: [Athletes may take synthetic EPO to boost OpenStax College Anatomy](#)

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4.1.30. Hormones produced by the thymus play a role in the \_\_\_\_\_.

Author: OpenStax College

Hormones produced by the thymus play a role in the \_\_\_\_\_.

Please choose only one answer:

- development of T cells
- preparation of the body for childbirth
- regulation of appetite
- release of hydrochloric acid in the stomach

Check the answer of this question online at QuizOver.com:

Question: [Hormones produced by the thymus play a OpenStax College Anatomy Quest](#)

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#### 4.1.31. The anterior pituitary gland develops from which embryonic germ layer?

Author: OpenStax College

The anterior pituitary gland develops from which embryonic germ layer?

Please choose only one answer:

- oral ectoderm
- neural ectoderm
- mesoderm
- endoderm

Check the answer of this question online at QuizOver.com:

Question: [The anterior pituitary gland develops from OpenStax College Anatomy](#)

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4.1.32. In the elderly, decreased thyroid function causes \_\_\_\_\_.

Author: OpenStax College

In the elderly, decreased thyroid function causes \_\_\_\_\_.

Please choose only one answer:

- increased tolerance for cold
- decreased basal metabolic rate
- decreased body fat
- osteoporosis

Check the answer of this question online at QuizOver.com:

Question: [In the elderly decreased thyroid function OpenStax College Anatomy](#)

Flashcards:

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