

Biology 37

The Endocrine

System MCQ

Biology 37 Nervous Syst.

Author: OpenStax College

Published 2015

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4. Chapter: Biology 37 The Endocrine System MCQ

1. Biology 37 The Endocrine System MCQ Questions

4.1.1. A newly discovered hormone contains four amino acids linked together...

Author: OpenStax College

A newly discovered hormone contains four amino acids linked together. Under which chemical class would this hormone be classified?

Please choose only one answer:

- lipid-derived hormone
- amino acid-derived hormone
- peptide hormone
- glycoprotein

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

Question: [A newly discovered hormone contains four OpenStax College Biology](#)

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4.1.2. Which class of hormones can diffuse through plasma membranes?

Author: OpenStax College

Which class of hormones can diffuse through plasma membranes?

Please choose only one answer:

- lipid-derived hormones
- amino acid-derived hormones
- peptide hormones
- glycoprotein hormones

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

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4.1.3. A new antagonist molecule has been discovered that binds to and blo...

Author: OpenStax College

A new antagonist molecule has been discovered that binds to and blocks plasma membrane receptors. What effect will this antagonist have on testosterone, a steroid hormone?

Please choose only one answer:

- It will block testosterone from binding to its receptor.
- It will block testosterone from activating cAMP signaling.
- It will increase testosterone-mediated signaling.
- It will not affect testosterone-mediated signaling.

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

Question: [A new antagonist molecule has been discovered OpenStax College Biology](#)

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4.1.4. What effect will a cAMP inhibitor have on a peptide hormone-mediate...

Author: OpenStax College

What effect will a cAMP inhibitor have on a peptide hormone-mediated signaling pathway?

Please choose only one answer:

- It will prevent the hormone from binding its receptor.
- It will prevent activation of a G-protein.
- It will prevent activation of adenylate cyclase.
- It will prevent activation of protein kinases.

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Question: [What effect will a cAMP inhibitor have on OpenStax College Biology](#)

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4.1.5. Drinking alcoholic beverages causes an increase in urine output. Th...

Author: OpenStax College

Drinking alcoholic beverages causes an increase in urine output. This most likely occurs because alcohol:

Please choose only one answer:

- inhibits ADH release
- stimulates ADH release
- inhibits TSH release
- stimulates TSH release

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

Question: [Drinking alcoholic beverages causes an OpenStax College Biology 3](#)

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4.1.6. FSH and LH release from the anterior pituitary is stimulated by ____...

Author: OpenStax College

FSH and LH release from the anterior pituitary is stimulated by _____.

Please choose only one answer:

- TSH
- GnRH
- T3
- PTH

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

Question: [FSH and LH release from the anterior OpenStax College Biology 37](#)

Flashcards:

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4.1.7. What hormone is produced by beta cells of the pancreas?

Author: OpenStax College

What hormone is produced by beta cells of the pancreas?

Please choose only one answer:

- T3
- glucagon
- insulin
- T4

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

Question: [What hormone is produced by beta cells of OpenStax College Biology](#)

Flashcards:

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4.1.8. When blood calcium levels are low, PTH stimulates:

Author: OpenStax College

When blood calcium levels are low, PTH stimulates:

Please choose only one answer:

- excretion of calcium from the kidneys
- excretion of calcium from the intestines
- osteoblasts
- osteoclasts

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

Question: [When blood calcium levels are low PTH OpenStax College Biology 37](#)

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4.1.9. A rise in blood glucose levels triggers release of insulin from the...

Author: OpenStax College

A rise in blood glucose levels triggers release of insulin from the pancreas. This mechanism of hormone production is stimulated by:

Please choose only one answer:

- humoral stimuli
- hormonal stimuli
- neural stimuli
- negative stimuli

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

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4.1.10. Which mechanism of hormonal stimulation would be affected if signal...

Author: OpenStax College

Which mechanism of hormonal stimulation would be affected if signaling and hormone release from the hypothalamus was blocked?

Please choose only one answer:

- humoral and hormonal stimuli
- hormonal and neural stimuli
- neural and humoral stimuli
- hormonal and negative stimuli

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

Question: [Which mechanism of hormonal stimulation OpenStax College Biology](#)

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4.1.11. Which endocrine glands are associated with the kidneys?

Author: OpenStax College

Which endocrine glands are associated with the kidneys?

Please choose only one answer:

- thyroid glands
- pituitary glands
- adrenal glands
- gonads

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

Question: [Which endocrine glands are associated with OpenStax College Biology](#)

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4.1.12. Which of the following hormones is not produced by the anterior pit...

Author: OpenStax College

Which of the following hormones is not produced by the anterior pituitary?

Please choose only one answer:

- oxytocin
- growth hormone
- prolactin
- thyroid-stimulating hormone

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

Question: [Which of the following hormones is not OpenStax College Biology 3](#)

Flashcards:

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