

Biology 36

Sensory Systems

MCQ

Biology 36 Nervous Syst.

Author: OpenStax College

Published 2015

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4. Chapter: Biology 36 Sensory Systems MCQ

1. Biology 36 Sensory Systems MCQ Questions

4.1.1. Where does perception occur?

Author: OpenStax College

Where does perception occur?

Please choose only one answer:

- spinal cord
- cerebral cortex
- receptors
- thalamus

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

Question: [Where does perception occur OpenStax College Biology 36 Sensory Quest](#)

Flashcards:

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4.1.2. If a person's cold receptors no longer convert cold stimuli into se...

Author: OpenStax College

If a person's cold receptors no longer convert cold stimuli into sensory signals, that person has a problem with the process of _____.

Please choose only one answer:

- reception
- transmission
- perception
- transduction

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

Question: [If a person's cold receptors no longer OpenStax College Biology 3](#)

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4.1.3. After somatosensory transduction, the sensory signal travels through...

Author: OpenStax College

After somatosensory transduction, the sensory signal travels through the brain as a(n) _____ signal.

Please choose only one answer:

- electrical
- pressure
- optical
- thermal

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

Question: [After somatosensory transduction the OpenStax College Biology 36](#)

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4.1.4. _____ are found only in _____ skin, and detect skin deflection.

Author: OpenStax College

_____ are found only in _____ skin, and detect skin deflection.

Please choose only one answer:

- Meissner's corpuscles: hairy
- Merkel's disks: glabrous
- hair receptors: hairy
- Krause end bulbs: hairy

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

Question: [are found only in skin and detect skin OpenStax College Biology 3](#)

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4.1.5. If you were to burn your epidermis, what receptor type would you mo...

Author: OpenStax College

If you were to burn your epidermis, what receptor type would you most likely burn?

Please choose only one answer:

- free nerve endings
- Ruffini endings
- Pacinian corpuscle
- hair receptors

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

Question: [If you were to burn your epidermis what OpenStax College Biology](#)

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4.1.6. Which of the following has the fewest taste receptors?

Author: OpenStax College

Which of the following has the fewest taste receptors?

Please choose only one answer:

- fungiform papillae
- circumvallate papillae
- foliate papillae
- filiform papillae

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

Question: [Which of the following has the fewest OpenStax College Biology 36](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-has-the-fewest-openstax-college-biology-36?pdf=1505>

Interactive Question:

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4.1.7. How many different taste molecules do taste cells each detect?

Author: OpenStax College

How many different taste molecules do taste cells each detect?

Please choose only one answer:

- one
- five
- ten
- It depends on the spot on the tongue

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

Question: [How many different taste molecules do OpenStax College Biology 36](#)

Flashcards:

<http://www.quizover.com/flashcards/how-many-different-taste-molecules-do-openstax-college-biology-36?pdf=1505>

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4.1.8. Salty foods activate the taste cells by _____.

Author: OpenStax College

Salty foods activate the taste cells by _____.

Please choose only one answer:

- exciting the taste cell directly
- causing hydrogen ions to enter the cell
- causing sodium channels to close
- binding directly to the receptors

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

Question: [Salty foods activate the taste cells by OpenStax College Biology](#)

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<http://www.quizover.com/flashcards/salty-foods-activate-the-taste-cells-by-openstax-college-biology?pdf=1505>

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4.1.9. All sensory signals except _____ travel to the _____ in the brain b...

Author: OpenStax College

All sensory signals except _____ travel to the _____ in the brain before the cerebral cortex.

Please choose only one answer:

- vision; thalamus
- olfaction; thalamus
- vision; cranial nerves
- olfaction; cranial nerves

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

Question: [All sensory signals except travel to the OpenStax College Biology](#)

Flashcards:

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4.1.10. In sound, pitch is measured in _____, and volume is measured in _____.

Author: OpenStax College

In sound, pitch is measured in _____, and volume is measured in _____.

Please choose only one answer:

- nanometers (nm); decibels (dB)
- decibels (dB); nanometers (nm)
- decibels (dB); hertz (Hz)
- hertz (Hz); decibels (dB)

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

Question: [In sound pitch is measured in and volume OpenStax College Biology](#)

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4.1.11. Auditory hair cells are indirectly anchored to the _____.

Author: OpenStax College

Auditory hair cells are indirectly anchored to the _____.

Please choose only one answer:

- basilar membrane
- oval window
- tectorial membrane
- ossicles

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

Question: [Auditory hair cells are indirectly anchored OpenStax College Biology](#)

Flashcards:

<http://www.quizover.com/flashcards/auditory-hair-cells-are-indirectly-anchored-openstax-college-biology?pdf=1505>

Interactive Question:

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4.1.12. Which of the following are found both in the auditory system and th...

Author: OpenStax College

Which of the following are found both in the auditory system and the vestibular system?

Please choose only one answer:

- basilar membrane
- hair cells
- semicircular canals
- ossicles

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

Question: [Which of the following are found both in OpenStax College Biology](#)

Flashcards:

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4.1.13. Why do people over 55 often need reading glasses?

Author: OpenStax College

Why do people over 55 often need reading glasses?

Please choose only one answer:

- Their cornea no longer focuses correctly.
- Their lens no longer focuses correctly.
- Their eyeball has elongated with age, causing images to focus in front of their retina.
- Their retina has thinned with age, making vision more difficult.

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

Question: [Why do people over 55 often need reading OpenStax College Biology](#)

Flashcards:

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Interactive Question:

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4.1.14. Why is it easier to see images at night using peripheral, rather th...

Author: OpenStax College

Why is it easier to see images at night using peripheral, rather than the central, vision?

Please choose only one answer:

- Cones are denser in the periphery of the retina.
- Bipolar cells are denser in the periphery of the retina.
- Rods are denser in the periphery of the retina.
- The optic nerve exits at the periphery of the retina.

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

Question: [Why is it easier to see images at night OpenStax College Biology](#)

Flashcards:

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4.1.15. A person catching a ball must coordinate her head and eyes. What pa...

Author: OpenStax College

A person catching a ball must coordinate her head and eyes. What part of the brain is helping to do this?

Please choose only one answer:

- hypothalamus
- pineal gland
- thalamus
- superior colliculus

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

Question: [A person catching a ball must coordinate OpenStax College Biology](#)

Flashcards:

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