



# Neuroscience for Kids

## Scavenger Hunt

### Student Answer Sheet

Navigate to <http://faculty.washington.edu/chudler/introb.html#bb>

The nervous system can be divided into several connected systems that function together.

In a simple division of the nervous system, what are the two divisions?

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### CENTRAL NERVOUS SYSTEM

(CNS)

The CNS can be further divided into two parts. Name and briefly describe these two parts:

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The PNS can also be divided into two parts. Name and briefly describe these two parts:

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List the major divisions of the brain:

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List the four lobes of the brain and briefly describe what they control.

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The cerebral cortex is responsible for what?

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Describe the function of each of these brain structures:

Cerebral cortex -

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Cerebellum -

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Brain stem -

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Hypothalamus -

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Thalamus -

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What does the left hemisphere of the brain control?

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The right hemisphere?

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What are "split brain" experiments?

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Describe some differences between male and female brains.

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What are the cranial nerves? What do they do?

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What is the blood-brain barrier and why is it important?

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What might cause a "brain attack"?

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Explain how the brain interacts with other body systems:

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List 10 interesting things about the brain:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

What is the spinal cord?

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Describe the spinal cord:

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How does the spinal cord work?

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The Autonomic Nervous System is important in what two situations?

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Explain the difference between the sympathetic and parasympathetic nervous system.

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Compare and contrast neurons to other body cells.

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Explain how neurons are classified:

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What is meant by "action potential"?

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What are glia cells and what do they do?

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To what do sensory receptors in skin respond? \_\_\_\_\_

Why is pain a good thing?

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Explain why you are able to sense things by using your sense of smell:

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What are the four things we can taste?

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Describe three ways scientists study the brain:

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Describe three ways drugs can affect the brain:

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