

Your Personal Internet Nervous System Scavenger Hunt!

You have the opportunity to discover more about the brain and nervous system on the "Neuroscience for Kids" web pages. You will locate information, and record it in the spaces below. Ready... Go!

- Go to the NEUROSCIENCE FOR KIDS page at <http://faculty.washington.edu/chudler/neurok.html>. Use the following questions to navigate through the pages. Record the information to the questions as you find it.
- On the "[Neuroscience For Kids](#)" homepage, scroll down to the Table Of Contents.
- Click on the colored words, "[EXPLORE THE NERVOUS SYSTEM.](#)" This will bring you to a variety of topics.
- Scroll down to the section on "THE BRAIN." Click on the colored words "[DIVISIONS OF THE NERVOUS SYSTEM.](#)"

Answer the following questions from the information there...

What are the two major subdivisions of the nervous system?

_____ nervous system, Define: _____
_____ nervous system, Define: _____

What is another name for a "nerve cell"? _____

What two structures make up the **central** nervous system?

About how much does the brain weigh? _____

About how many nerve cells are in the brain? _____

- From this page click on the colored words, "[BRAIN FACTS AND FIGURES.](#)" Using the data on this page, answer the following questions:

What animal has the largest brain? _____

What animal has the smallest brain? _____

Does brain size correlate to intelligence? _____

- Go back to the page, "[DIVISIONS OF THE CENTRAL NERVOUS SYSTEM.](#)" Scroll down to the "HEAR IT" section. Play the words, AMYGDALA, CEREBELLUM, AND DIENCEPHALON. Try to say them yourself!!!
- Continue scrolling down to the section called "BRAIN STRUCTURES"

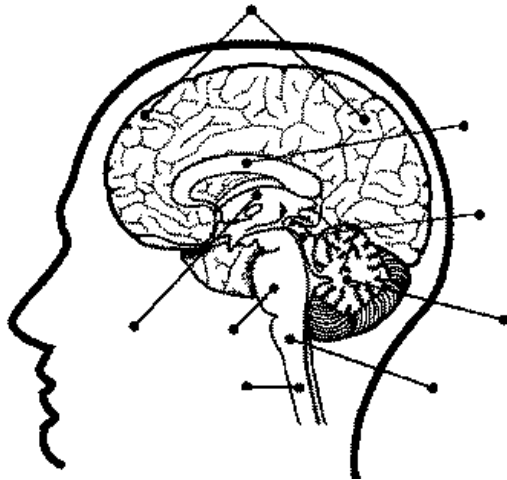
Where is the cerebral cortex located? _____

What is a groove in the cortex called? _____

What is a bump in the cortex called? _____

What is one area of the brain that is responsible for memory and learning? _____

Label the parts of the brain pictured below:



Go back to the page "[EXPLORE THE NERVOUS SYSTEM.](#)" Click on the colored words, "[OUR DIVIDED BRAIN.](#)"

What are the four major lobes of the brain?

What happened to Phineas Gage? _____

- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Click on the colored words, "[ONE BRAIN OR TWO?.](#)" Name two functions that are dominant on the

left brain side of the brain.

The right side of the brain?

What structure connects the right and left cerebral hemispheres? _____
What side of the brain controls language in most people? _____

List 5 famous left-handed folks _____

- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Click on the colored words, "[HE BRAINS, SHE BRAINS.](#)" Is the proportion of brain weight to body weight different for men and women? _____
What happens to men's' brains as they age? _____
- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Click on the colored words, "[BRAIN DEVELOPMENT.](#)" When does the nervous system begin to form? _____
- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Click on the colored words, "[THE VENTRICLES AND CSF.](#)" What is cerebrospinal fluid (CSF)? _____
Name at least 2 functions of CSF.

- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Click on the colored words, "[THE BRAIN DURING SLEEP.](#)" What instrument is used to measure brain activity? _____
About how much of your life do you spend asleep? _____
What does REM stand for? _____
- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Click on the colored words, "[BRAIN FITNESS-YOUR GUIDE TO GOOD HEALTH.](#)" List three tips given on this page for good health.

- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Click on the colored words, "[THE BRAIN VS. THE COMPUTER.](#)" Which sends signals faster, a brain or a computer? _____
- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Click on the colored words, "[WHAT BECAME OF EINSTEIN'S BRAIN?](#)" When did Einstein die? _____
Who removed his brain? _____
Where is the brain now? _____
- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Scroll down to the bottom of the page where it says, "[THE EFFECTS OF DRUGS ON THE NERVOUS SYSTEM.](#)" Click on the colored word "[ALCOHOL.](#)" What kind of drug is alcohol? _____
What term is given to drugs that kill brain cells? _____
- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Scroll down to the bottom of the page where it says, "[THE EFFECTS OF DRUGS ON THE NERVOUS SYSTEM.](#)" Click on the colored word "[CAFFEINE.](#)" Which soft drink has the most caffeine per serving? _____
What are two negative side effects of caffeine?

- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Scroll down to the bottom of the page where it says, "[THE EFFECTS OF DRUGS ON THE NERVOUS SYSTEM.](#)" Click on the colored word "[COCAINE.](#)" Is cocaine an addicting drug? _____ What organ does it affect other than the brain? _____
- Go back to the page, "[EXPLORE THE NERVOUS SYSTEM.](#)" Scroll down to the bottom of the page where it says, "[THE EFFECTS OF DRUGS ON THE NERVOUS SYSTEM.](#)" Click on the colored word "[MARIJUANA.](#)" Scroll down and click on the colored words, "MARIJUANA: FACTS FOR TEENS." List two short-term effects of marijuana use:

List two possible long-term effects of marijuana use:

What effects may marijuana have on the babies of pregnant women who smoke marijuana?

Last Thing... Who is Oliver Sacks? Short Bio facts!

Great Job!

- Now review your answers, commit to long term memory!