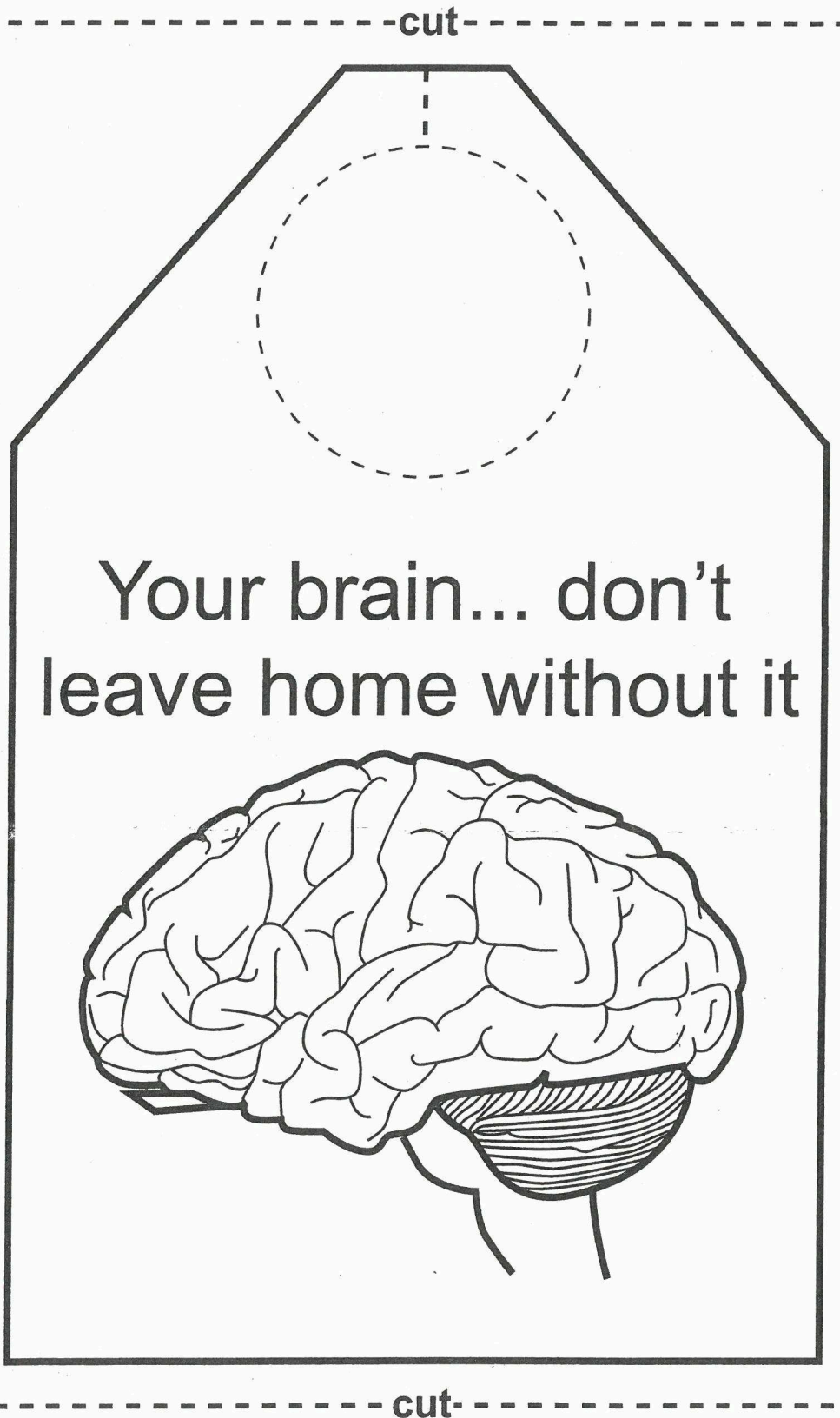


**Test Name: Nervous System Assessment**  
**Test ID: 360987**  
**Date: 07/27/2018**

1. The brain and the spinal cord make up the
  - A. peripheral nervous system.
  - B. autonomic nervous system.
  - C. central nervous system.
  - D. somatic nervous system.
  
2. What does the autonomic nervous system regulate?
  - A. the central nervous system
  - B. involuntary actions of muscles and organs
  - C. the somatic nervous system
  - D. involuntary actions of skeletal muscles
  
3. Which of the following includes the spinal cord?
  - A. the peripheral nervous system (PNS)
  - B. the central nervous system (CNS)
  - C. the brain
  - D. the skeletal system
  
4. The spinal cord, a long tubular structure that connects to the brain, is protected by the vertebrae. In this situation, the
  - A. endocrine system works in conjunction with the respiratory system.
  - B. nervous system works in conjunction with the skeletal system.
  - C. digestive system works in conjunction with the excretory system.
  - D. muscular system works in conjunction with the nervous system.
  
5. Which of your body systems lets you know when water is hot?
  - A. nervous system

Cut around the door tag and cut out center circle on the dotted line.

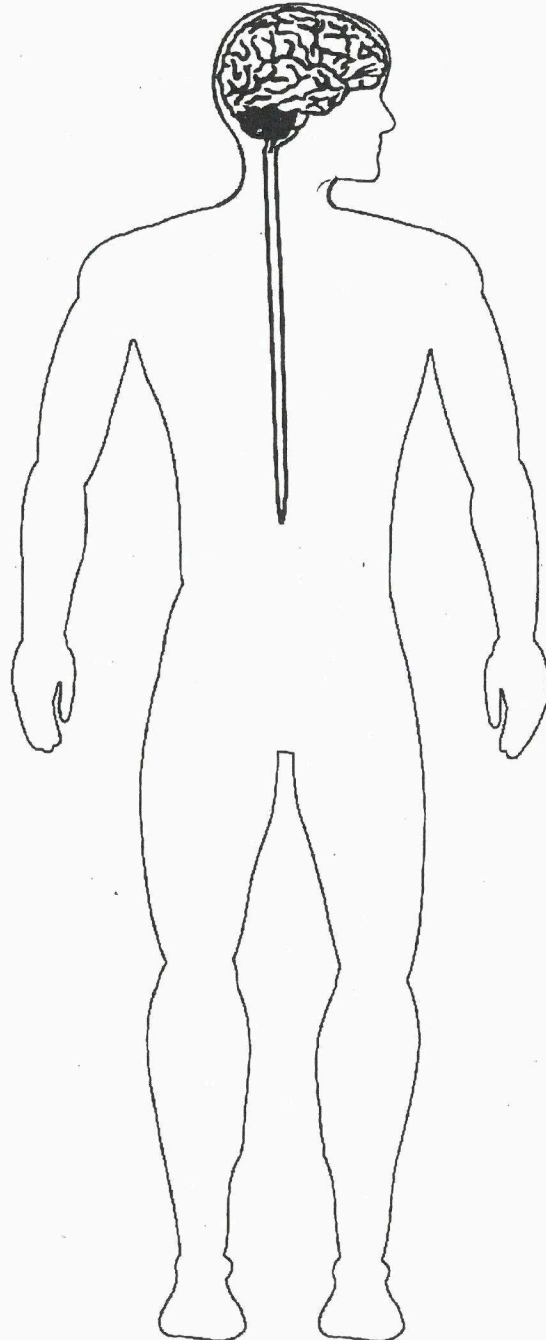


Name \_\_\_\_\_

Class \_\_\_\_\_

## The Nervous System

1. Choose two colors of marker or pencil.
2. Draw lines with arrows on them showing motor nerves carrying messages out to the muscles, and sensory nerves carrying information from the outside world to the brain.
3. Complete the color key below with your colors and labels (motor nerve, sensory nerve).



*This person is looking to their left. Which hemisphere do we see?*

Key

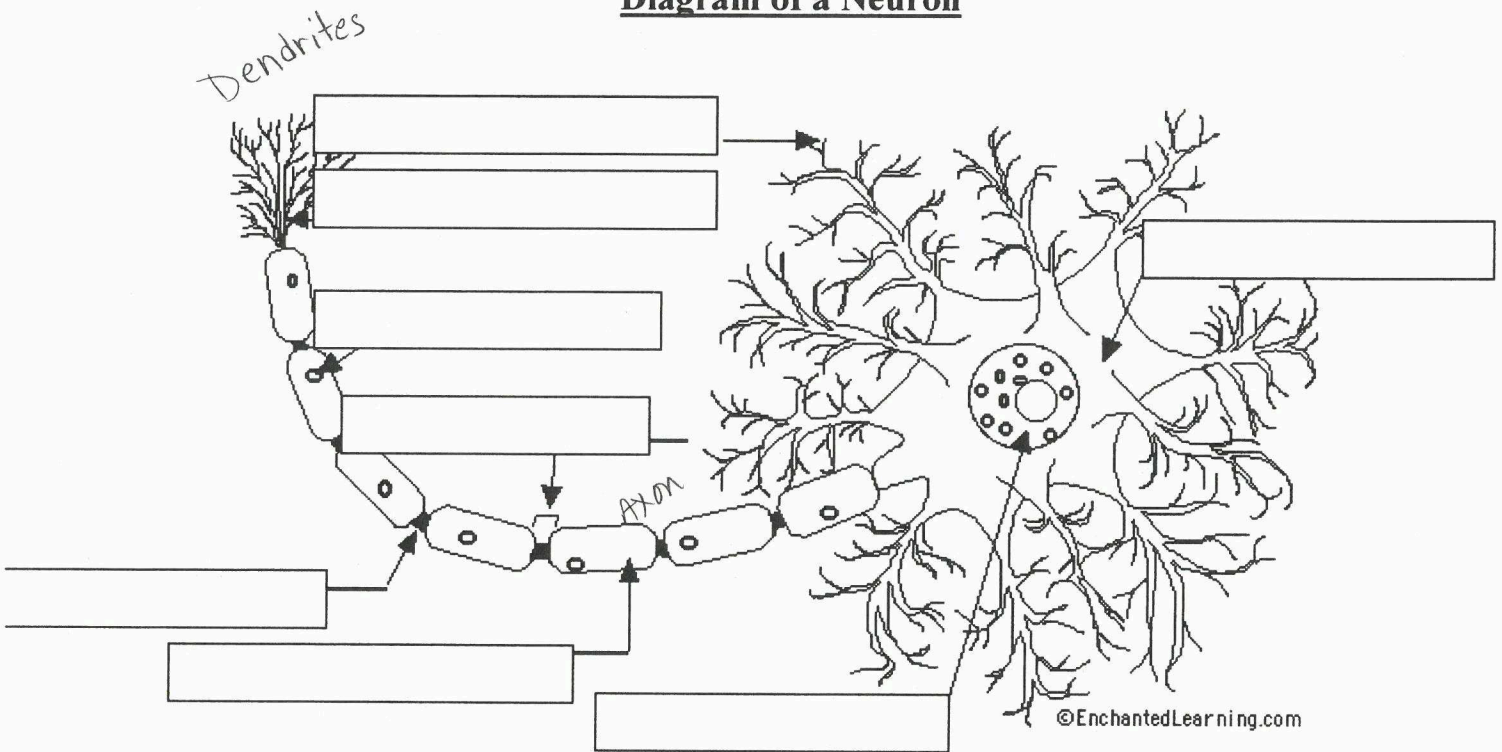


\_\_\_\_\_



\_\_\_\_\_

Diagram of a Neuron



Site # 3 – The Secret Life of the Brain

<http://www.pbs.org/wnet/brain/index.html>

Questions

1. Click on “mind illusions” and try one of the illusions. List which illusion you chose and explain how it tricks your brain.
2. Click on “The Teenage Brain” and explore why teens sleep more than adults. Briefly explain why.
3. In the Teenage Brain section, explore the link about desire and addictions. Briefly explain what causes addictions.

Site # 4 – Extra credit – Phineas Gage

<http://www.deakin.edu.au/hbs/GAGEPAGE/>

**The Nervous System  
Handout  
Grade 3**

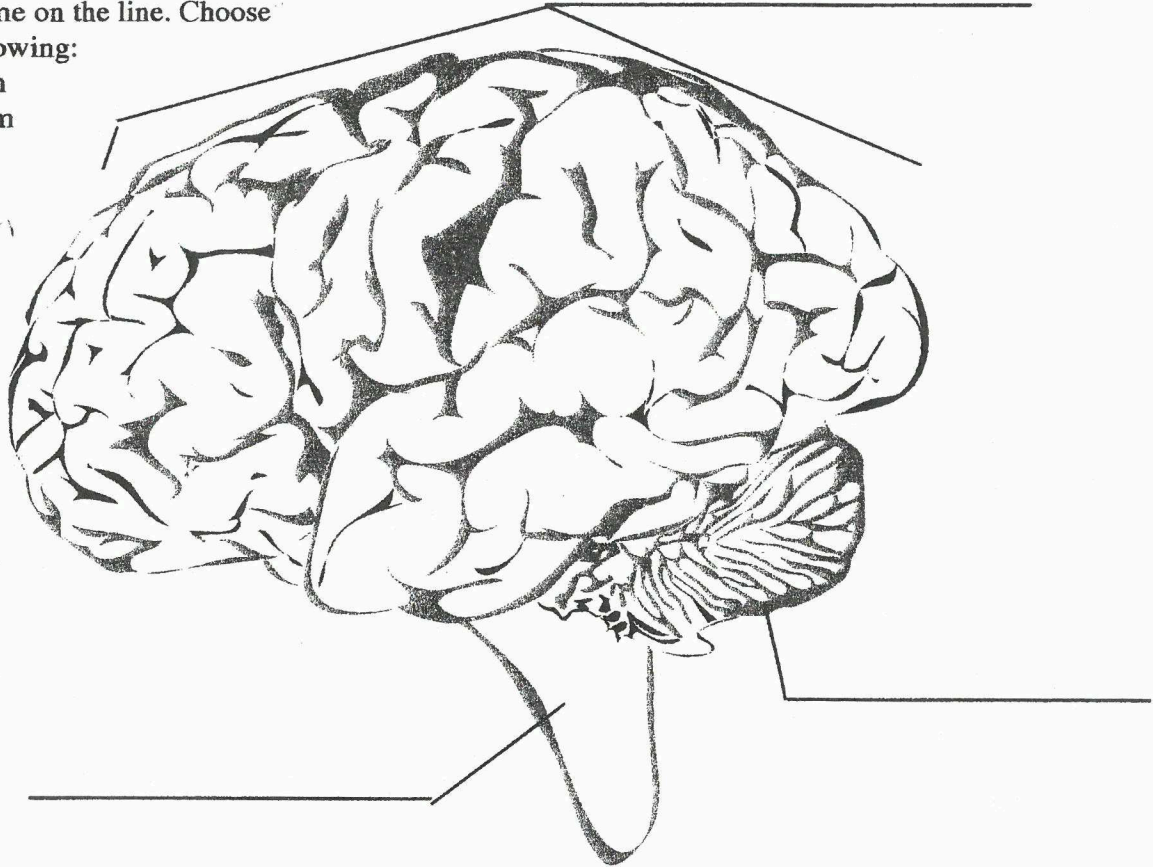
Fill in the blank.

Label the three major parts of the brain.

Write the name on the line. Choose

from the following:

- brain stem
- cerebellum
- cortex



Write a sentence listing one or two jobs performed by each of the three major parts of the brain.

Example: The \_\_\_\_\_ is in charge of \_\_\_\_\_ and \_\_\_\_\_.

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_



### Nervous System Webquest

Log in and visit the following sites to answer the questions below. Type your answers in below each question. Answers should be typed in full sentences; use the correct heading and add your name to the document.

Site # 1 - The Brain is the Boss

[http://www.kidshealth.org/kid/body/brain\\_SW.html](http://www.kidshealth.org/kid/body/brain_SW.html)

Questions

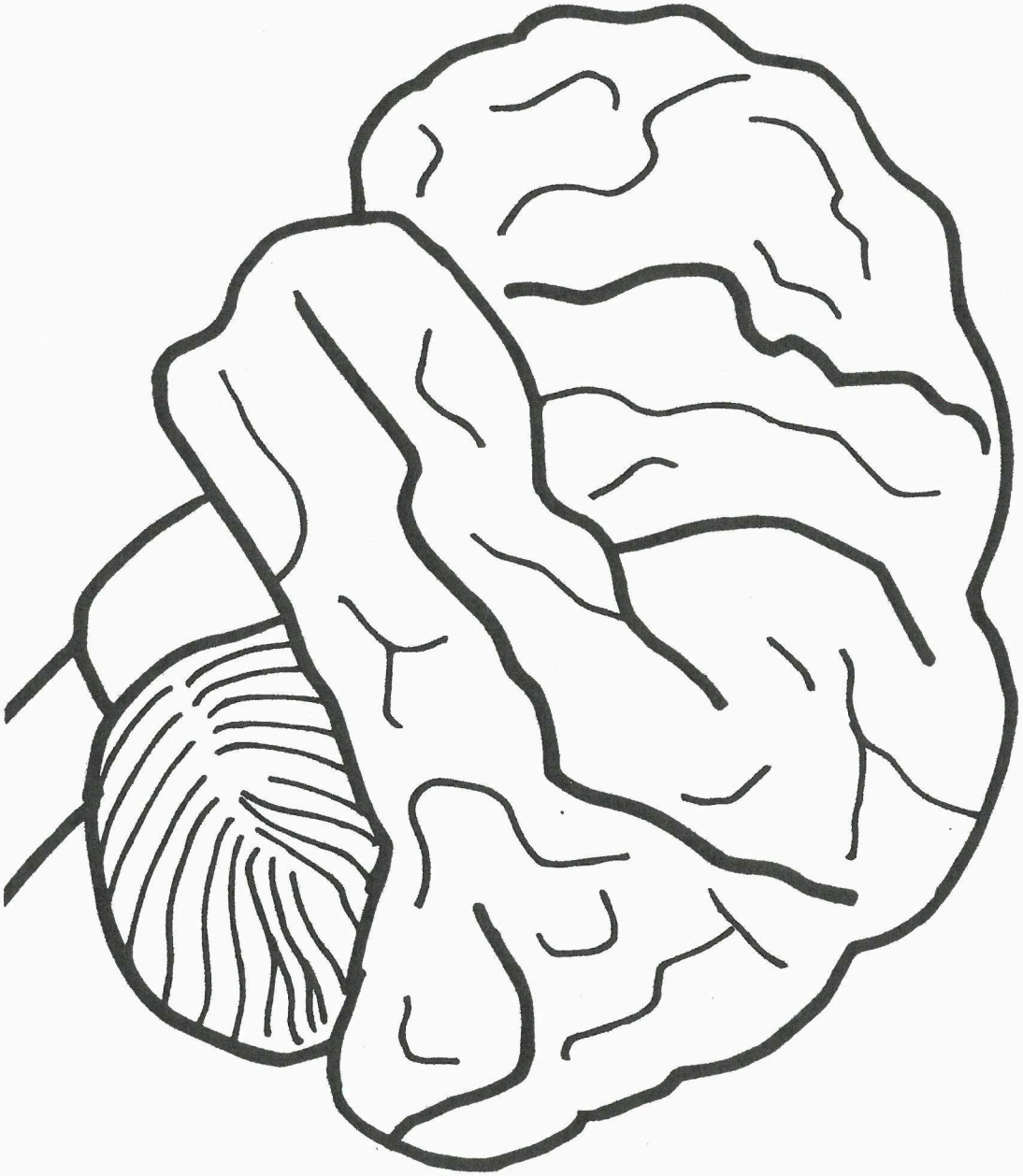
1. What are the three main parts of the brain?
2. What does the cerebrum do?
3. What does the cerebellum do?
4. What does the brain stem do?
5. Give an example of an involuntary muscle.
6. How big is the pituitary gland and what does it do?
7. What does the hypothalamus do and where is it located?
8. What part of your brain controls your emotions?
9. What are two important minerals for the nervous system?

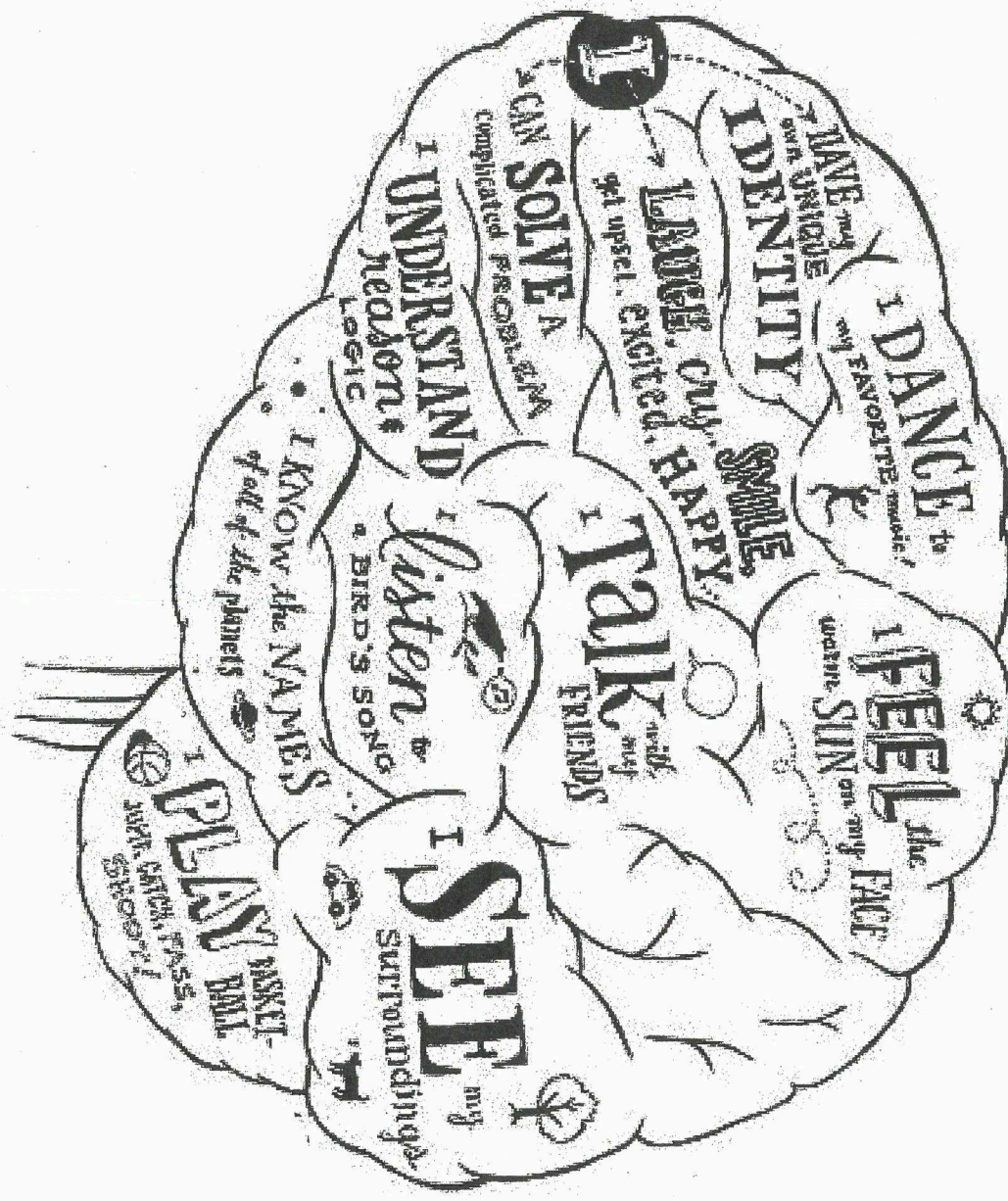
Site # 2- Neuroscience for Kids

<http://faculty.washington.edu/chudler/neurok.html>

Questions

1. Click on the “Explore the Nervous System” link and then click on the “The Neuron” link. Use the information there to label the following diagram.
2. Take the Neuron quiz at the bottom of the link.





1

I CAN SOLVE A complicated PROBLEM

I UNDERSTAND reason & logic

I KNOW the NAMES of all the planets

I PLAY BASKETBALL WITH WATCH TV & SUPPORT

I SEE my surroundings

I TALK with my FRIENDS

I LISTEN to a BIRD'S SONG

I FEEL the FACE of the SUN

I DANCE to my FAVORITE music

I HAVE my own UNIQUE IDENTITY

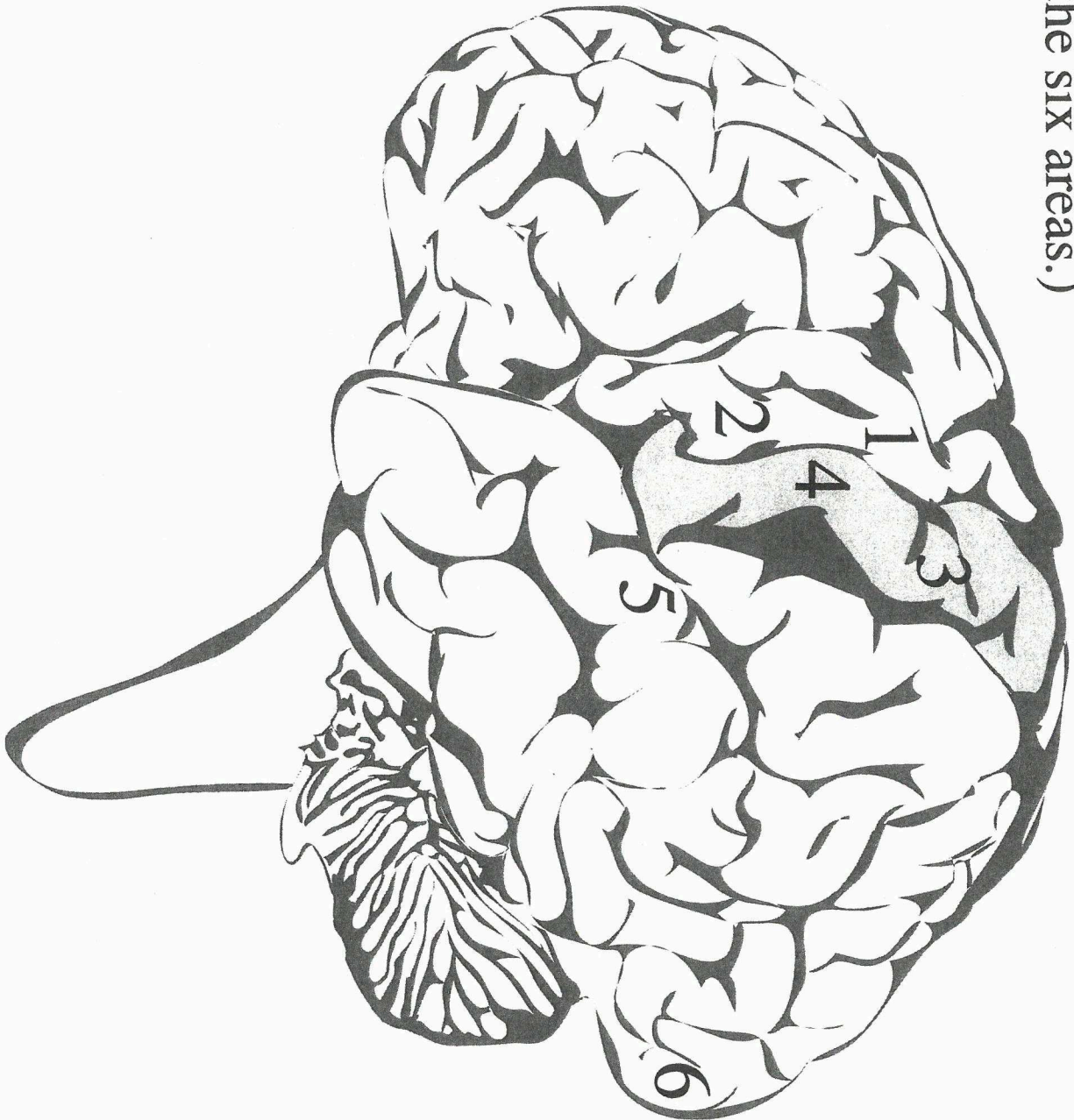
I LOVE, my get upset, excited, HAPPY

I SMILE

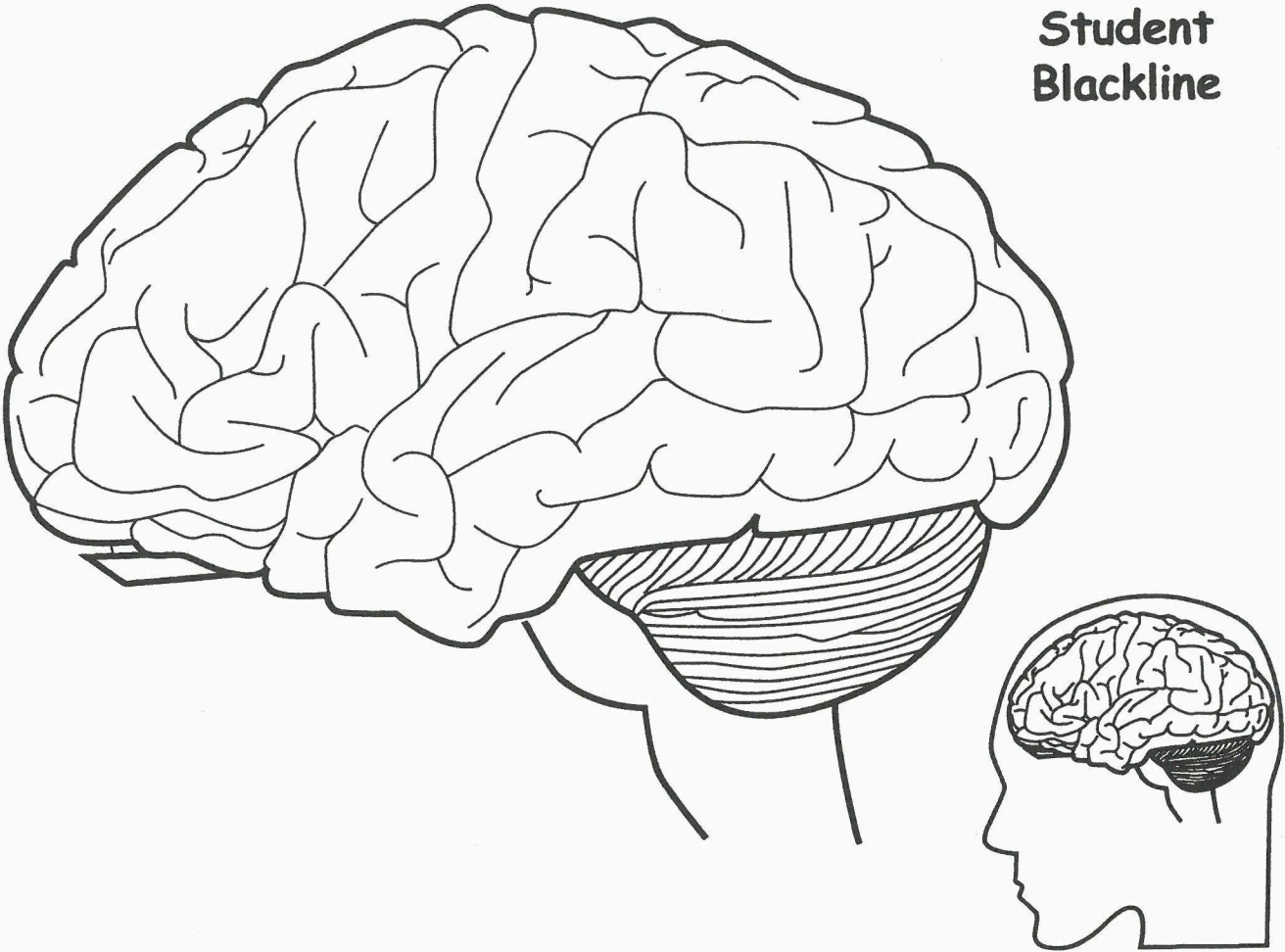


NAME \_\_\_\_\_

(Color the six areas.)

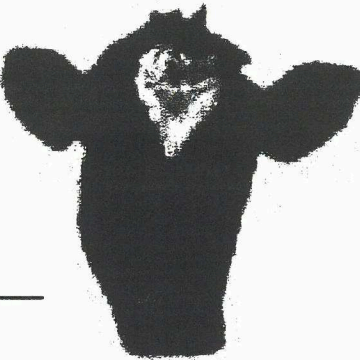

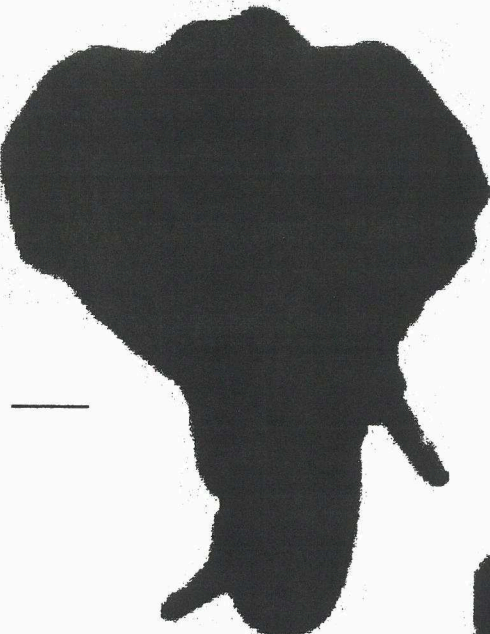
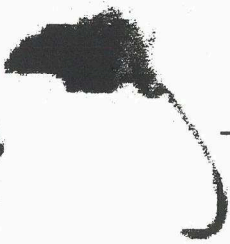


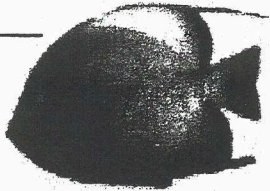
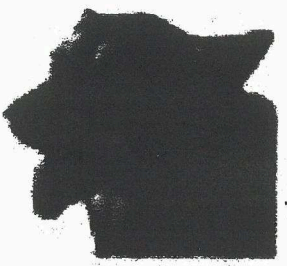


**Student  
Blackline**



# Animal Brains Worksheet

Find the brain that goes with each animal. Write the letter on the line.

A B C D E F G H			_____
			_____
			_____
			_____

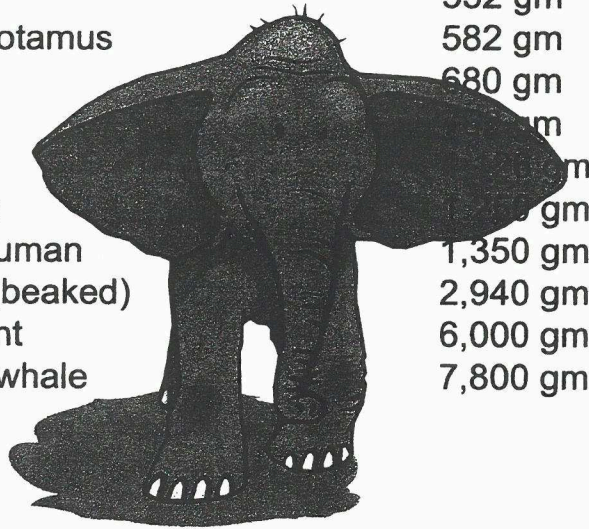
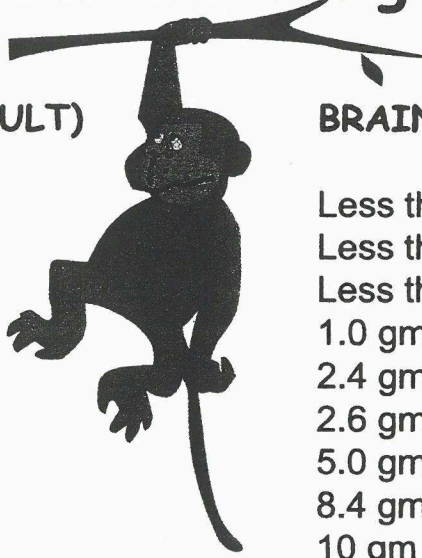


# Animal Brains and Weights

## ANIMAL (ADULT)

## BRAIN WEIGHT (GRAMS)

snake (grass)	Less than one gm
toad	Less than one gm
mouse	Less than one gm
fish (carp)	1.0 gm
bird (pigeon)	2.4 gm
rat	2.6 gm
guinea pig	5.0 gm
alligator	8.4 gm
rabbit	10 gm
cat	30 gm
dog (beagle)	72 gm
sheep	140 gm
bear	234 gm
lion	240 gm
tiger	263.5 gm
newborn human	350 – 400 gm
chimpanzee	420 gm
cow	470 gm
horse	532 gm
hippopotamus	582 gm
giraffe	680 gm
camel	700 gm
walrus	1,000 gm
dolphin	1,300 gm
adult human	1,350 gm
whale (beaked)	2,940 gm
elephant	6,000 gm
sperm whale	7,800 gm



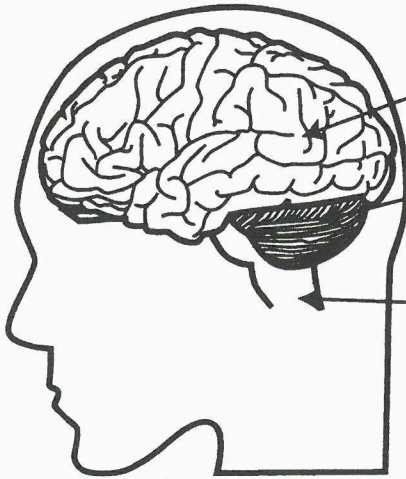
**Don't forget to choose 8-10 animals and graph their brain weights. Make any type of graph.**



Name \_\_\_\_\_

## What Does What?

Review all you know about the three main parts of the brain and what they control by using the information below.



The largest part of the brain is the **cerebrum**. The **cerebrum** contributes to your thinking, your memory, and your five senses.

The **cerebellum** controls your movement, balance, and posture.

The **brainstem** is the lower part of your brain. Some of the things it controls are your breathing, heart rate, blood pressure, digestion, and body temperature.

**Read each activity below, and decide which part of the brain is responsible for that activity. Write cerebrum, cerebellum, or brain stem on the line.**

1. Remembering to give your teacher a note \_\_\_\_\_
2. Tasting your favorite ice cream \_\_\_\_\_
3. Controlling your heartbeat \_\_\_\_\_
4. Standing up straight \_\_\_\_\_
5. Thinking about a math problem \_\_\_\_\_
6. Breathing faster during a soccer game \_\_\_\_\_
7. Smelling an onion \_\_\_\_\_
8. Maintaining a normal body temperature \_\_\_\_\_
9. Balance on a skateboard \_\_\_\_\_
10. Dancing at a recital \_\_\_\_\_