

## Your Brain & Central Nervous System

Even though it looks like a big, \_\_\_\_\_, \_\_\_\_\_ sponge, your brain is the \_\_\_\_\_ of your body; controlling everything you do!

5 Main Parts of the BRAIN: \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

### **A. The Biggest Part: the Cerebrum:**

1. The biggest part of the brain is the \_\_\_\_\_.
2. It makes up \_\_\_\_\_% of the brain's weight.
3. The cerebrum is the \_\_\_\_\_ part of the brain. It controls the \_\_\_\_\_ muscles.
4. When you're \_\_\_\_\_, your cerebrum is working. It controls both you \_\_\_\_\_ & \_\_\_\_\_.
5. The cerebrum has \_\_\_\_\_ halves.
6. The right side helps with  thinking.

7. The left side helps with  thinking.
8. The right half controls the \_\_\_\_\_ of your body, and the left half controls the \_\_\_\_\_ of your body.
9. Bolus gets pushed to the back of your throat to opening of the \_\_\_\_\_, the second part of the digestive tract.

**B. The Cerebellum's Balancing Act:**

1. The cerebellum is at the \_\_\_\_\_ of the brain, below the \_\_\_\_\_.
2. It gives you the ability to \_\_\_\_\_, keep your \_\_\_\_\_ & \_\_\_\_\_.

**C. Brain Stem Keeps You Breathing & More:**

1. The brain stem sits beneath the \_\_\_\_\_ and in front of the \_\_\_\_\_.
2. The brain stem is in charge of all the functions your body needs to stay alive. Illustrate those 3 function using COLOR in the boxes and describe them on the lines.

Function # 1

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Function # 2

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Function # 3

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## **D. Pituitary Gland Controls Growth:**

1. The pituitary gland is SMALL but MIGHTY! It is the size of a  !
2. The pituitary gland \_\_\_\_\_ & \_\_\_\_\_ hormones to your body!
3. Those special hormones make you \_\_\_\_\_.
4. Pituitary gland also is responsible for releasing \_\_\_\_\_ that cause people to go through \_\_\_\_\_.
5. Lastly, the pituitary gland controls the amount of \_\_\_\_\_ and \_\_\_\_\_ in your body, AND helps keep your \_\_\_\_\_ going strong!

**E. Hypothalamus Controls Temperature:**

1. The hypothalamus is like your brain's \_\_\_\_\_.
2. If your body is too hot, the hypothalamus tells your body to  .

3. If you're too cold, that hypothalamus tells your body to  .

4. Both \_\_\_\_\_ and \_\_\_\_\_ are the body's attempt to get the temperature back to normal! (Pretty cool, if you ask me!!!)

## **F. You Have Some Nerve!**


1. The \_\_\_\_\_ has a bundle of \_\_\_\_\_ inside your spinal column!

2. Nerves let \_\_\_\_\_ flow back and forth between the  &  .

3. The nervous system is made up of millions and millions of \_\_\_\_\_. Each \_\_\_\_\_ has tiny branches coming off of it that let it connect to other \_\_\_\_\_.

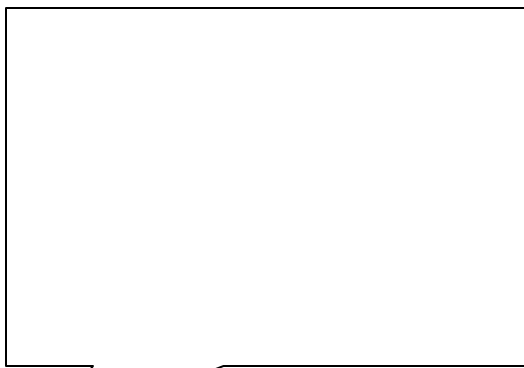
4. When you were born, your body had all the \_\_\_\_\_ it will ever have, but they were NOT \_\_\_\_\_ yet.
5. When you learn things, the messages travel from one \_\_\_\_\_ to another \_\_\_\_\_, and over time connections are made.
6. Think about the first time you ever rode a bike! Your brain had to think about \_\_\_\_\_, stay \_\_\_\_\_, \_\_\_\_\_ with the handlebars, watch the \_\_\_\_\_, and hit the \_\_\_\_\_! Now, you can ride your bike without \_\_\_\_\_, thanks to the \_\_\_\_\_ connections your brain has made!
7. Think of one other example, in which your body had to make neurons make connections. Illustrate in COLOR and explain on the lines!

## G. Emotion Location:

1. Your brain runs your \_\_\_\_\_.
2. Inside your brain, there are a bunch of \_\_\_\_\_ on each side called the \_\_\_\_\_.  
(It is shaped like an  .)
3. Scientists believe that the \_\_\_\_\_ is responsible for all of your \_\_\_\_\_.
4. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_ are all examples of different emotions!

## H. Be Good to Your Brain:

1. Identify 5 different ways to keep your brain healthy. Illustrate in COLOR and explain on the lines!



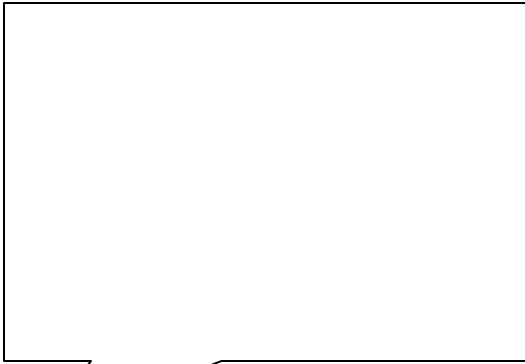
Healthy Brain Idea #1!

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Healthy Brain Idea #2!

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Healthy Brain Idea #3!

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Healthy Brain Idea #4!

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Healthy Brain Idea #5!

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