



SfS Away from the Classroom!

SCIENCE
FROM SCIENTISTS

AP18: The Mammalian Brain (Recommended for Grades 3-8)

Please use the following resources to learn about the mammalian brain.

Watch this Video: <https://www.youtube.com/watch?v=1aCYsYSM1MA> (captions available)

Answer these questions:

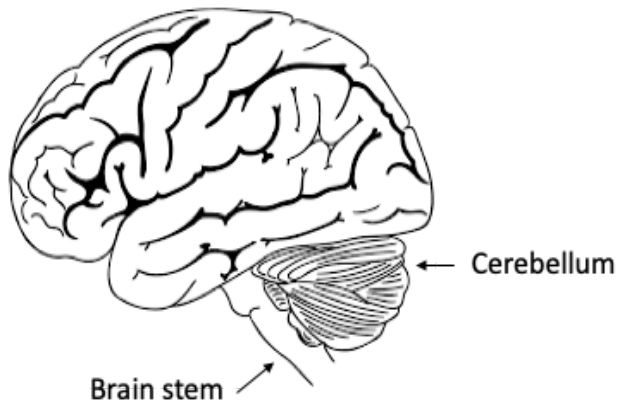
- What are the 3 main parts of our brain?
- What function(s) does the *cerebellum* control?
- Which hemisphere is responsible for our emotional reactions?

Activities: Follow these directions to make a model of the brain.

You will need:

• Clay or Playdough	• Reference brain pictures (below)
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1. Brains have a left and right hemisphere. Use your clay or playdough to build a model of the brain. Make sure to separate the 2 hemispheres (picture on right).
2. Now you need to make the cerebellum. The cerebellum is under the back of the hemispheres. (picture on left)



3. Next you need to make a brain stem. The brain stem is what connects the brain to the spinal cord. The brain stem looks like the stem of a flower or an apple. You should attach your brain stem to the cerebellum.



Watch this video to see how the size of the human brain compares that of other mammals:

<https://www.youtube.com/watch?v=iCXSZQSWwdM>

Make observations & use Claims, Evidence, and Reasoning!

1. **Claim:** The human brain has 3 main parts.
 - **Evidence:**

 - **Reasoning:**

2. **Claim:** My brain is still working while I sleep.
 - **Evidence:**

 - **Reasoning:**