

# Make Up Your Mind: Brain Cap Activity

## Processing Out Activity 1B



1. Why do you think the brain is designed to handle some tasks, such as keeping your heart beating, without your having to think about it?



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2. Rather than being located randomly throughout the brain, neurons that do a particular job are arranged in lobes. Why might this arrangement be more efficient?

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3. Wrinkle up a piece of notebook paper and observe what happens to its size. Now, consider the wrinkled surface of the **CEREBRUM**. How might the wrinkled surface affect the number of neurons in this portion of the brain?



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4. Compare the **CEREBELLUM** with the **CEREBRUM**.  
a. How are they similar?



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LESSON 1  
ACTIVITY 1B

b. How are they different?

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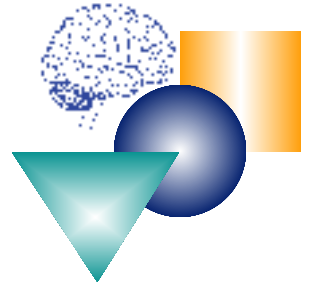
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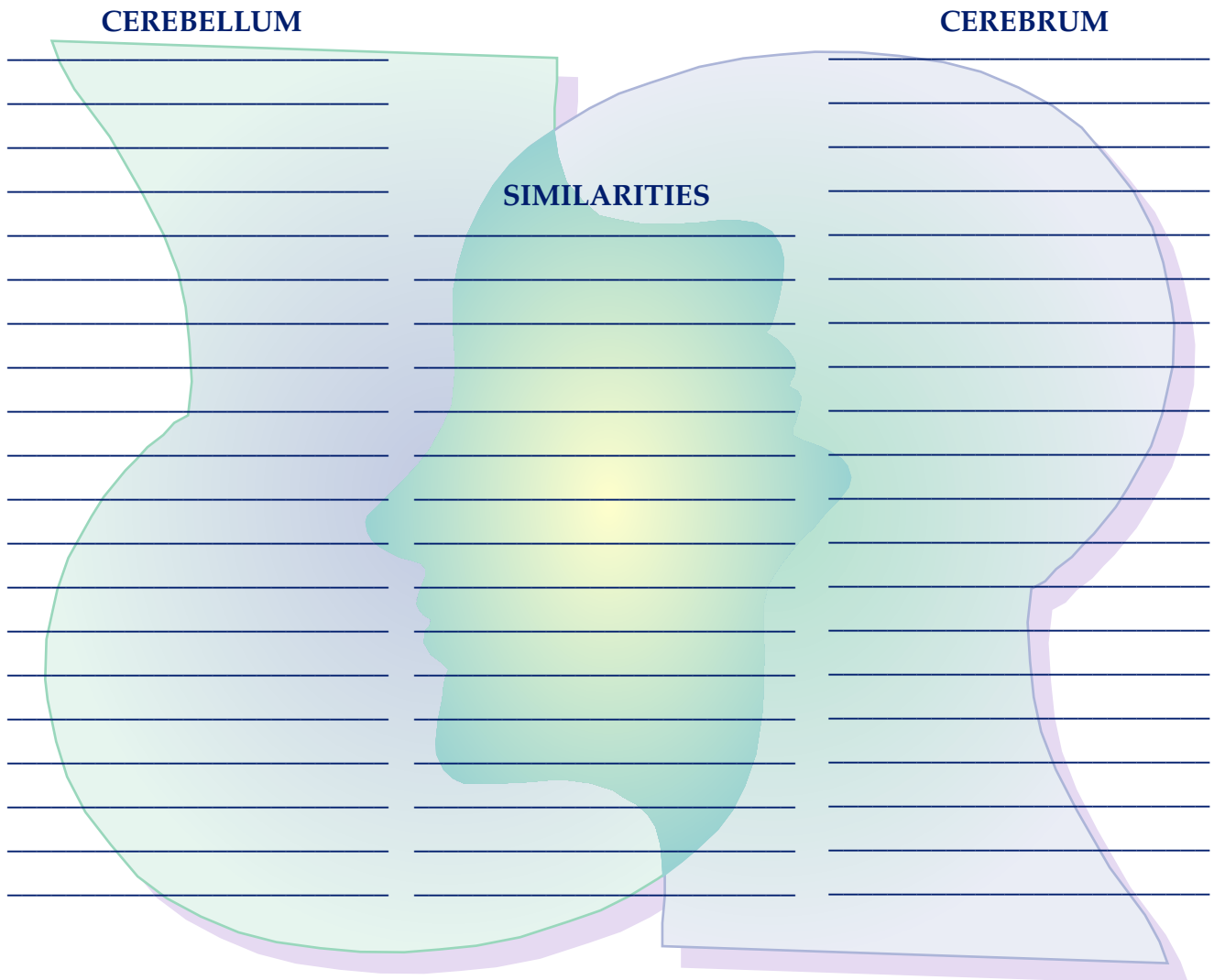
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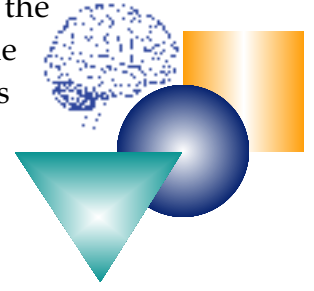
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c. Put your responses into the **Venn** diagram below.



5. In this activity, you have seen a model representing how the nerves from the brain come together in the **BRAIN STEM** and continue down through the vertebrae as the spinal cord. Spinal nerves branch out from different areas of the spinal column through the vertebrae. What do you think is the purpose of this branching?



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