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# Brain 101

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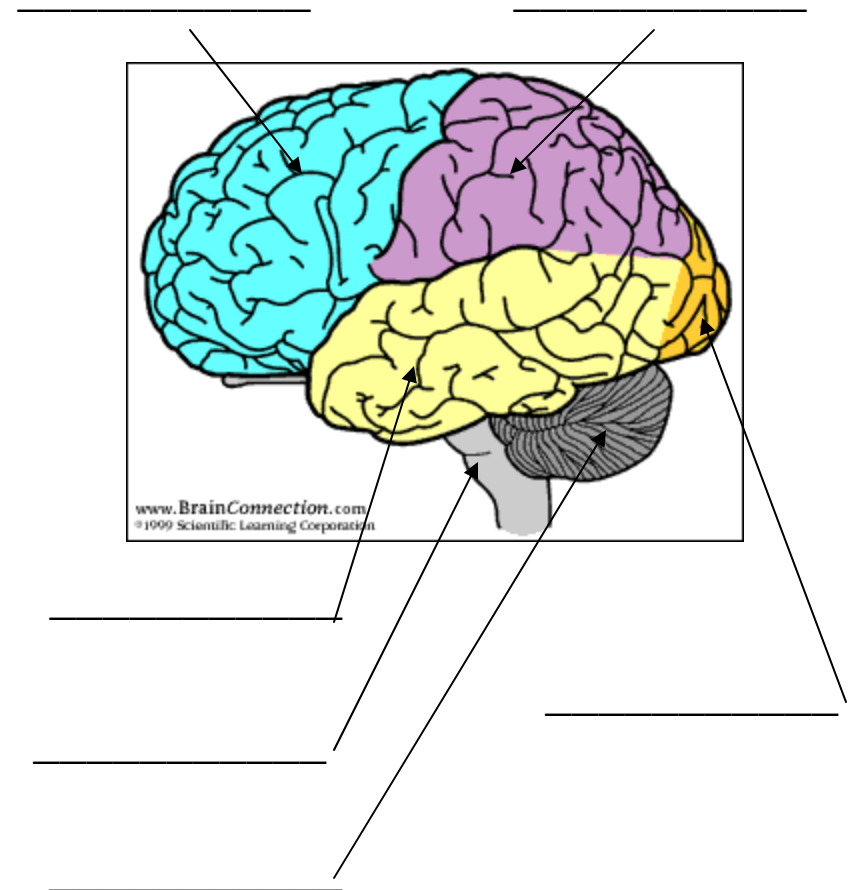
## Workbook

# Pre-Quiz – Part 1

## Label the Brain

### True or False

- \_\_\_\_\_ 1. The average brain weighs 7 pounds.
- \_\_\_\_\_ 2. The brain is attached to the skull.
- \_\_\_\_\_ 3. The corpus callosum connects the two hemispheres of the brain.
- \_\_\_\_\_ 4. There are four lobes in each hemisphere.
- \_\_\_\_\_ 5. The brain floats in cerebrospinal fluid.
- \_\_\_\_\_ 6. Neurons are the basic brain cells.
- \_\_\_\_\_ 7. The brain communicates via chemicals.
- \_\_\_\_\_ 8. Neurotransmitters pass directly from the axon to the dendrite.
- \_\_\_\_\_ 9. The brain continues to grow new neurons after birth.
- \_\_\_\_\_ 10. Each lobe of the brain has specific functions.



# Pre-Quiz – Part 2

For each statement, decide whether it is a function of the:

- |                    |                   |
|--------------------|-------------------|
| 1. Brain Stem      | 2. Cerebellum     |
| 3. Occipital Lobes | 4. Parietal Lobes |
| 5. Temporal Lobes  | 6. Frontal Lobes  |

\_\_\_\_\_ 1. Breathing

\_\_\_\_\_ 2. Vision

\_\_\_\_\_ 3. Judgment

\_\_\_\_\_ 4. Language

\_\_\_\_\_ 5. Balance

\_\_\_\_\_ 6. Attention

\_\_\_\_\_ 7. Goal Setting

\_\_\_\_\_ 8. Touch Perception

\_\_\_\_\_ 9. Coordination

\_\_\_\_\_ 10. Memory Acquisition

\_\_\_\_\_ 11. Sensory Integration

\_\_\_\_\_ 12. Time Perception

\_\_\_\_\_ 13. Swallowing

\_\_\_\_\_ 14. Recognition of Printed Words

\_\_\_\_\_ 15. Control of Emotional Response

\_\_\_\_\_ 16. Hearing Ability

\_\_\_\_\_ 17. Inhibition

\_\_\_\_\_ 18. Initiation

\_\_\_\_\_ 19. Startle Response

\_\_\_\_\_ 20. Categorization of Objects

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# Worksheet 1

1. What protects the brain?
2. What are the two hemispheres of the brain?
3. What connects the 2 hemispheres? What is it made of?
4. What are the 4 lobes of the brain?
5. What are the three evolutionary levels of the brain?

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# Worksheet 2

1. Draw and label a neuron.
2. Describe how the electrical system of the brain works.
3. Describe how neurotransmitters work.
4. Explain how the brain develops neurotypically.
5. Discuss when the brain stops developing.

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# Worksheet 3

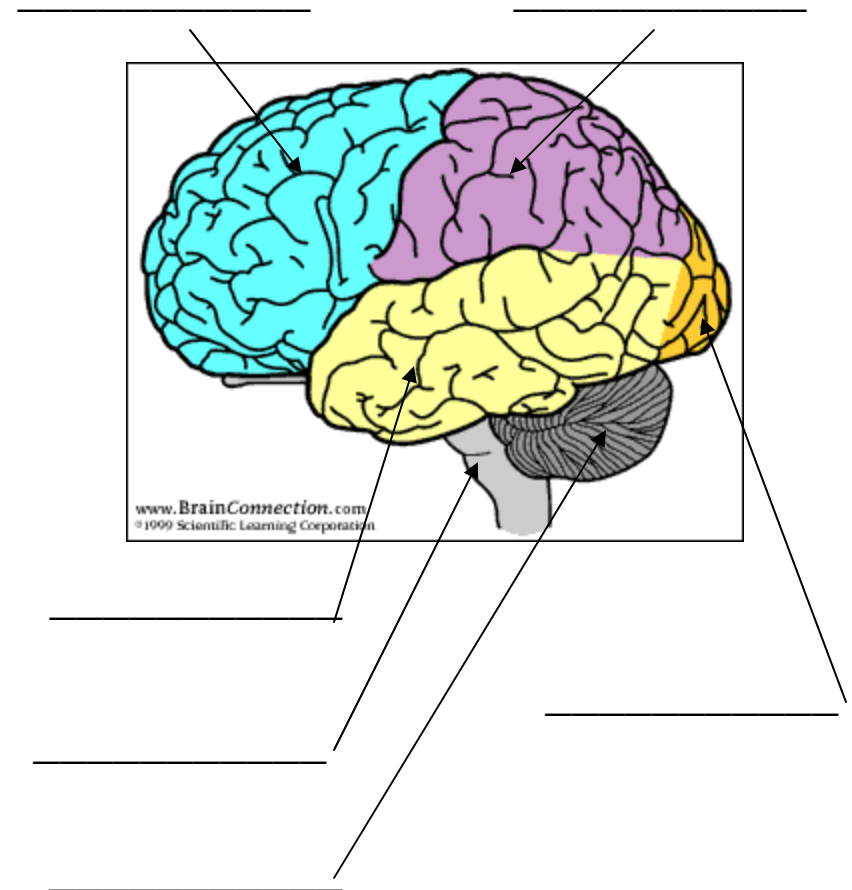
1. What are the functions of the occipital lobes?
2. What are the functions of the parietal lobes?
3. What are the functions of the temporal lobes?
4. What are the functions of the frontal lobes?
5. Summarize in a few words the basic function of each lobe.

# Post-Quiz – Part 1

## Label the Brain

### True or False

- \_\_\_\_\_ 1. The average brain weighs 7 pounds.
- \_\_\_\_\_ 2. The brain is attached to the skull.
- \_\_\_\_\_ 3. The corpus callosum connects the two hemispheres of the brain.
- \_\_\_\_\_ 4. There are four lobes in each hemisphere.
- \_\_\_\_\_ 5. The brain floats in cerebrospinal fluid.
- \_\_\_\_\_ 6. Neurons are the basic brain cells.
- \_\_\_\_\_ 7. The brain communicates via chemicals.
- \_\_\_\_\_ 8. Neurotransmitters pass directly from the axon to the dendrite.
- \_\_\_\_\_ 9. The brain continues to grow new neurons after birth.
- \_\_\_\_\_ 10. Each lobe of the brain has specific functions.



# Post-Quiz – Part 2

For each statement, decide whether it is a function of the:

1. Brain Stem
2. Cerebellum
3. Occipital Lobes
4. Parietal Lobes
5. Temporal Lobes
6. Frontal Lobes

\_\_\_\_\_ 1. Breathing

\_\_\_\_\_ 2. Vision

\_\_\_\_\_ 3. Judgment

\_\_\_\_\_ 4. Language

\_\_\_\_\_ 5. Balance

\_\_\_\_\_ 6. Attention

\_\_\_\_\_ 7. Goal Setting

\_\_\_\_\_ 8. Touch Perception

\_\_\_\_\_ 9. Coordination

\_\_\_\_\_ 10. Memory Acquisition

\_\_\_\_\_ 11. Sensory Integration

\_\_\_\_\_ 12. Time Perception

\_\_\_\_\_ 13. Swallowing

\_\_\_\_\_ 14. Recognition of Printed Words

\_\_\_\_\_ 15. Control of Emotional Response

\_\_\_\_\_ 16. Hearing Ability

\_\_\_\_\_ 17. Inhibition

\_\_\_\_\_ 18. Initiation

\_\_\_\_\_ 19. Startle Response

\_\_\_\_\_ 20. Categorization of Objects





# Learning Outcomes Checklist

Can you:

- ❑ Identify
  - ❑ the basic structures of the brain: hemispheres, lobes, and levels
  - ❑ the basic structures and functions of neurons, axons and dendrites
  - ❑ the basic systems of the brain – physical, chemical, and electrical
  
- ❑ Explain
  - ❑ neurotypical development of the brain
  - ❑ the basic functions of each lobe