Brain 101

Workbook
Pre-Quiz – Part 1

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.

Label the Brain
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
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?
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.
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

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

_____ 1. Breathing        _____ 11. Sensory Integration
_____ 2. Vision          _____ 12. Time Perception
_____ 5. Balance          _____ 15. Control of Emotional Response
_____ 6. Attention        _____ 16. Hearing Ability
_____ 7. Goal Setting     _____ 17. Inhibition
_____ 8. Touch Perception _____ 18. Initiation
_____ 10. Memory Acquisition _____ 20. Categorization of Objects
Post-Quiz – Part 3

- Explain the neurotypical development of the brain.

- Explain the basic function(s) of each lobe of the brain:
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