

Guided Reading Activity



Body and Behavior

Lesson 2 *Studying the Brain*

Review Questions: Recording Who, What, When, Where, Why, and How Statements

Directions: Read each main idea and answer the questions below. Refer to your textbook to write the answers.

Main Idea A: Different parts of the brain control different functions.

1. **What** are the three parts of the human brain?

2. **Where** in the brain are the higher thinking processes located and what does that part of the brain consist of?

3. **What** are the different lobes of the cerebrum and with what types of functions is each lobe associated?

4. **How** do the two hemispheres of the cerebrum complement each other?

5. **What** connects the two hemispheres of the cerebrum?

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Guided Reading Activity *cont.*



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6. **Why** are different parts of the brain needed to perform one simple activity, such as walking across the street?

Main Idea B: Psychologists have developed several different methods for studying the brain.

1. **Why** do psychologists no longer perform procedures like lobotomies and why are psychologists limited in the research they can do on human beings?

2. **How** does an electroencephalograph monitor the brain?

3. **Why** are experiments on animals' brains, such as creating brain lesions in rhesus monkeys, of limited use in understanding the human brain despite their similarities?

4. **Who** was Dr. Paul Broca and why is a part of the brain named after him?

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5. What do computerized axial tomography (CT) scans and positron emission tomography (PET) scans use to examine the brain?

Summary and Reflection

Directions: Summarize the main ideas of this lesson by answering the question below.

In what ways has altering specific parts of the brain through damage or treatment resulted in specific conditions or changes in behavior?
