

# Guided Reading Activity



## The Enlightenment and Revolutions

### Lesson 1 *The Scientific Revolution*

#### Review Questions

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

**A. Main Idea:** New ways of thinking, the invention of new instruments, and an emphasis on mathematics led to the Scientific Revolution.

1. What instruments made scientific discoveries possible and helped ideas spread quickly?

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2. How did Renaissance intellectuals view mathematics?

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**B. Main Idea:** Important breakthroughs in astronomy, medicine, and chemistry occurred.

1. Where was Earth in Ptolemy's and Copernicus's conceptions of the universe?

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2. How did Galileo revolutionize the field of astronomy?

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3. Who discovered the universal law of gravitation?

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4. Why was Antoine Lavoisier important?

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# Guided Reading Activity *Cont.*



## The Enlightenment and Revolutions

**C. Main Idea:** New views of the universe changed perceptions of the world and of human beings.

**1.** Who wrote the phrase, "I think, therefore I am"? In what work did the phrase appear?

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**2.** What is the scientific method, and why did Francis Bacon develop and promote it?

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### Summary and Reflection

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

How did the Scientific Revolution change the way Europeans viewed the universe and the place of human beings in it?

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