

**FORMAL
ASSESSMENT**

UNIT

5**Chapter 13: The Age of Science and Exploration**
SECTION 1 QUIZ

MULTIPLE CHOICE Choose the best answer for each question from the choices available.

- 1 Which of the following did Greek philosophers consider most important?
 - A evidence
 - B observation and experimentation
 - C reasoning
 - D logic and mathematics
- 2 Which of the following concepts was NOT adopted from India by Muslim scholars?
 - A the ten Arabic numerals
 - B the scientific method
 - C the number zero
 - D the decimal system
- 3 Who proposed the heliocentric theory?
 - A Nicolaus Copernicus
 - B Johannes Kepler
 - C Galileo Galilei
 - D Robert Hooke
- 4 Which scientist was the first to describe cells?
 - A Galileo Galilei
 - B Robert Hooke
 - C Sir Isaac Newton
 - D Robert Boyle
- 5 How did Boyle's theory challenge the ideas of Aristotle?
 - A Boyle said that matter is composed of small particles, not four elements.
 - B Boyle proposed that orbits were elliptical rather than circular.
 - C Boyle used mathematics to describe the universe.
 - D Boyle proposed that a person's health does not depend on four humors.
- 6 What great advance did Sir Francis Bacon and René Descartes bring to science?
 - A law of universal gravitation
 - B invention of the microscope
 - C invention of the color wheel
 - D scientific rationalism

CONSTRUCTED RESPONSE Write the answer to each question in the space provided.

- 7 What four laws did Isaac Newton use to create a complete mechanical explanation of motion in the universe?

- 8 What are the five steps in the scientific method?
