

# Chapter 22 Assessment

## TERMS & NAMES

For each term or name below, briefly explain its connection to European history from 1550–1789.

1. heliocentric theory
2. Isaac Newton
3. social contract
4. philosophe
5. salon
6. enlightened despot
7. Declaration of Independence
8. federal system

## MAIN IDEAS

### The Scientific Revolution Section 1 (pages 623–628)

9. According to Ptolemy, what was the earth's position in the universe? How did Copernicus's view differ?
10. What are the four steps in the scientific method?
11. What four new instruments came into use during the Scientific Revolution? What was the purpose of each one?

### The Enlightenment in Europe Section 2 (pages 629–635)

12. How did the ideas of Hobbes and Locke differ?
13. What did Montesquieu admire about the government of Britain?
14. How did the Enlightenment lead to a more secular outlook?

### The Enlightenment Spreads Section 3 (pages 636–639)

15. What were three developments in the arts during the Enlightenment?
16. What sorts of reforms did the enlightened despots make?

### The American Revolution Section 4 (pages 640–645)

17. Why did the Articles of Confederation result in a weak national government?
18. How did the writers of the U.S. Constitution put into practice the idea of separation of powers? A system of checks and balances?

## CRITICAL THINKING

### 1. USING YOUR NOTES

List in a table important new ideas that arose during the Scientific Revolution and Enlightenment. In the right column, briefly explain why each idea was revolutionary.

New Idea	Why Revolutionary

### 2. RECOGNIZING EFFECTS

**SCIENCE AND TECHNOLOGY** What role did technology play in the Scientific Revolution?

### 3. ANALYZING ISSUES

**POWER AND AUTHORITY** How did the U.S. Constitution reflect the ideas of the Enlightenment? Refer to specific Enlightenment thinkers to support your answer.

### 4. CLARIFYING

How did the statement by Prussian ruler Frederick the Great that a ruler is only "the first servant of the state" highlight Enlightenment ideas about government?

## VISUAL SUMMARY

### Enlightenment and Revolution, 1550–1789

#### Scientific Revolution

- Heliocentric theory challenges geocentric theory.
- Mathematics and observation support heliocentric theory.
- Scientific method develops.
- Scientists make discoveries in many fields.

A new way of thinking about the world develops, based on observation and a willingness to question assumptions.

#### Enlightenment

- People try to apply the scientific approach to aspects of society.
- Political scientists propose new ideas about government.
- Philosophes advocate the use of reason to discover truths.
- Philosophes address social issues through reason.

Enlightenment writers challenge many accepted ideas about government and society.

#### Spread of Ideas

- Enlightenment ideas appeal to thinkers and artists across Europe.
- Salons help spread Enlightenment thinking.
- Ideas spread to literate middle class.
- Enlightened despots attempt reforms.

Enlightenment ideas sweep through European society and to colonial America.

#### American Revolution

- Enlightenment ideas influence colonists.
- Britain taxes colonists after French and Indian War.
- Colonists denounce taxation without representation.
- War begins in Lexington and Concord.

Colonists declare independence, defeat Britain, and establish republic.