

Chapter 22  
Enlightenment & Revolution  
1550 - 1789  
Sec.1 "The Scientific Revolution"

- A new way of thinking about the natural world based on observation and \_\_\_\_\_
- Medieval View: \_\_\_\_\_ – earth-centered universe
- Nicolaus Copernicus: \_\_\_\_\_ – sun-centered universe
- Johannes Kepler – \_\_\_\_\_

Galileo

- Telescope
- *Starry Messenger*
- His findings went against \_\_\_\_\_
- Supported \_\_\_\_\_

Scientific Method

- Procedure for gathering and \_\_\_\_\_ ideas
- Observation, \_\_\_\_\_, Experiment, & Conclusion
- \_\_\_\_\_ – experimentation
- Rene Descartes – \_\_\_\_\_
- Isaac Newton – universal \_\_\_\_\_
  - orderly universe

Scientific Instruments

- \_\_\_\_\_ – Zacharias Janssen
  - bacteria & blood cells
- Barometer – \_\_\_\_\_
- \_\_\_\_\_ – Gabriel Fahrenheit & Anders Celsius
- Vaccine – \_\_\_\_\_ (small pox)

## Section 2 “The Enlightenment in Europe”

### Age of Reason (mid-1700's)

- Thomas Hobbes
  - \_\_\_\_\_: exchange rights to a strong ruler for law & order
- John Locke
  - **Natural rights**: life, liberty, & \_\_\_\_\_
  - Purpose of \_\_\_\_\_: protect those rights

### Philosophes

- Social critics
  - Reason
  - \_\_\_\_\_
  - Happiness on earth
  - Progress
  - \_\_\_\_\_

### Voltaire

- Author – used \_\_\_\_\_
- Fought for tolerance, reason, freedom of religious belief, & freedom of \_\_\_\_\_
- *“I do \_\_\_\_\_ agree with a word you say but will defend to the death your right to say it”*

### Baron de Montesquieu

- Separation of powers – \_\_\_\_\_

### Jean Jacques Rousseau

- \_\_\_\_\_ – all people are equal

### Wollstonecraft

- an early \_\_\_\_\_ for women's rights
- “\_\_\_\_\_” should extend to women
- Urged \_\_\_\_\_ to become useful

### Beccaria

- interested in the \_\_\_\_\_ system
- criticized torture & \_\_\_\_\_ punishment
- punishment should be based on the \_\_\_\_\_

### Section 3 “Enlightenment Spreads”

- \_\_\_\_\_ – social gatherings to discuss ideas
- Denis Diderot – \_\_\_\_\_
- Neoclassical art
- Classical composers
  - Haydn, Mozart & \_\_\_\_\_

#### Enlightened Despots

- Frederick the Great (Prussia)
  - “first \_\_\_\_\_ of the state”
- Joseph II (Austria)
  - Abolished serfdom
  - Freedom of the press & \_\_\_\_\_
- Catherine the Great (Russia)
  - Limited reforms
  - Expanded \_\_\_\_\_

#### Legacy of the \_\_\_\_\_

- Belief in \_\_\_\_\_
- A more \_\_\_\_\_ outlook
- Importance of the \_\_\_\_\_

### Section 4 “The American Revolution”

- July 4, 1776 – \_\_\_\_\_
- Based on \_\_\_\_\_ ideals
- Life, \_\_\_\_\_, & Pursuit of Happiness (Locke)
- \_\_\_\_\_ separate branches (Montesquieu)
- Bill of Rights (Voltaire, Rousseau, & \_\_\_\_\_)