

## Chapter 16: The Scientific Revolution

Name: \_\_\_\_\_

**Key Terms:** Create flashcards for the following terms. Include a description and the historical significance for each.

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|--------------------------|-------------------|---------------|
| 1. Scientific Revolution | 5. William Harvey | 9. Witchcraft |
| 2. Copernicus            | 6. Galen          | 10. Alchemy   |
| 3. Galileo               | 7. Francis Bacon  | 11. Astrology |
| 4. Isaac Newton          | 8. Rene Descartes |               |

**Additional Terms:** These are suggested examples to support the big ideas. Make flash cards as needed.

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| 1. Paracelsus | 2. Andreas Vesalius | 3. Johannes Kepler |
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**Comprehension Questions:** Answer the following questions as we work through this unit.

1. How did new scientific ideas and methods change the European view of the universe?
2. Why did old beliefs such as alchemy and astrology continue to appeal to elites despite the new ideas and methods of scientists?
3. Explain the astronomical theories of Nicolaus Copernicus.
4. Explain the contributions of Galileo to knowledge about astronomy.
5. How did Isaac Newton synthesize the theories of other scientists into a new understanding of the universe?
6. Why did scientific discoveries lead to conflict with the Catholic Church?

7. Explain how William Harvey and Andreas Vesalius challenged traditional views of the body and disease.
  
  
  
  
  
  
  
  
  
  
8. What is the difference between inductive and deductive reasoning?
  
  
  
  
  
  
  
  
  
  
9. How did Francis Bacon and Rene Descartes create the modern scientific method?
  
  
  
  
  
  
  
  
  
  
10. Explain why peasant oral culture continued to promote the idea that the cosmos was governed by divine and demonic forces.