<u>Unit 4: Part 1</u> – Scientific Discovery/Age of Enlightenment Ch. 1 & 10 AMSCO; Ch. 16 McKay Name_____

I.D.'s Day 1 I.D.'s Day 2 I.D.'s Day 3 1. Scientific Revolution 10. rationalism 1. Rousseau/The Social 2. Copernicus 11. philosophes Contract 3. Empirical evidence 12. John Locke 2. Adam Smith/*The Wealth* 4. Galileo 13. Thomas of Nations 3. "invisible hand" 5. Isaac Newton Hobbes/Leviathan 6. Deductive/Inductive 4. Laissez-faire 14. Second Treatise of Reasoning Government 5. Deism 7. Alchemy 15. Letters on the English 6. *Persian Letters* 8. William Harvey 16. Denis 7. Mary 9. Andreas Vesalius Diderot/Encyclopedia Wollstonecraft/Vindication 17. Montesquieu/*The Spirit* of the Rights of Women of the Laws 8. Salons

<u>Key Terms</u>: Create flashcards for the following terms. Include a description and the historical significance for each.

Directions: Write answers directly on this outline.

Questions for Day 1 Homework: (pgs. 15-20 AMSCO) & (pgs. 506-517 McKay)

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. How did Francis Bacon and Rene Descartes create the modern scientific method?

Questions for Day 2 Homework: (pgs. 207-216 AMSCO) & (pgs. 517-532 McKay)

9. What were the central concepts of the Enlightenment

10. What were the ideas put forth by Voltaire?

11. What were the motivations behind Diderot's Encyclopedia?

12. Who were the *philosophes* and what did they believe?

Questions for Day 3 Homework: (pgs. 218-220 AMSCO) & (pgs. 521-532 McKay)

13. How did the economic theories of Adam Smith challenge mercantilist policies?

- 14. Explain the following new systems of beliefs.
 - a. Deism
 - b. Skepticism
 - c. Atheism
- 15. What were Rousseau's ideas about natural rights?

16. Why did Enlightenment philosophers favor exclusion of women from political life?

17. What was the role of Salons and other social venues in the dissemination of Enlightenment culture?