Chp. 8

1. Who was Bacon and what did he believe would lead to truths of the universe being revealed?

2. What was Galileo’s background?

3. What tool did Galileo build and what did he observe with it?

4. Who did he consult when seeking information?

5. What did Galileo say about his ideas getting to ordinary people?

6. What book did Galileo write and how did it get him into trouble?

7. How did Descartes and Newton differ on theories of scientific knowledge?

8. What was deductive reasoning according to Descartes?

9. How did Descartes view god?

10. What did Newton discover when he observed an apple fall from a tree?

11. What were Newton’s discoveries?

12. What were Newton’s accomplishments during his lifetime?

13. He didn’t like publishing his ideas; what usually forced him to publish?

14. What did Newton disagree with Descartes over?

15. What did Spinoza argue?

16. Who was Gottfried Liebniz and what did he disagree with Newton over?

17. What was the “republic of science”?

18. How did Science become part of everyday life for the English upper class?

19. What was the royal society?

20. Who were some of the most famous members of the Royal Society and what did they do?

21. Who was Margaret Cavendish and what was science like for women?

22. What could be said of the scientific revolution in eastern Europe?

23. Explain Russia’s problems adjusting to the Scientific Revolution?

24. The Scientific Revolution was a revolution of mostly thought very little technological innovation but there were some practical application of the scientific revolution. Explain them and include Robert Hooke.

25. How did Peter the Great use science to help Russia?

26. What did most Universities teach at this time?

27. What were the differences between science from the Catholic and Protestant point of view?

28. How did the political and religious situation in mid-17th century in England help the scientific revolution?

29. What did the Catholic Church do to books in France starting in 1623 that could hold back scientific learning?

30. What were two major consequences of the Scientific Revolution?