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| **Scientific Knowledge Prior to 1600** |
| **What changed?** | **Church’s Reaction** |
| **Effect of Changes** |

**DIRECTIONS:** Using the following videos/articles, answer the questions.

**History Channel-The Scientific Revolution (2:54)**

(<http://www.history.com/topics/galileo-galilei/videos/mankind-the-story-of-all-of-us-scientific-revolution>)

1. How was Newton’s scientific approach different than previously?
2. Explain the statement made in the video: “The scientific method is like a razor…”
3. According to the video, what was so revolutionary about the scientific method during the Scientific Revolution?

**History Channel-Beyond the Big Bang: Galileo Galilei (3:33)**

(<http://www.history.com/topics/enlightenment/videos/beyond-the-big-bang-galileo-galilei?m=528e394da93ae&s=undefined&f=1&free=false>)

1. What did most people believe about the solar system during the time of Galileo?
2. Why did Galileo name the moons around Jupiter that he discovered for members of the Medici family?
3. Why did the Roman Catholic Church have such an issue with Galileo investigating the way scripture was interpreted? (Think about what events were going on in Europe in the 1500-1600s.)
4. Why did Galileo spend his last days under house arrest?

**History Channel-Beyond the Big Bang: Sir Isaac Newton (4:35)**

(<http://www.history.com/topics/enlightenment/videos/beyond-the-big-bang-sir-isaac-newtons-law-of-gravity?m=528e394da93ae&s=undefined&f=1&free=false>)

1. What did Newton realize when he saw the apple fall?

**“Science Obtains Its Own Method for Arriving at Knowledge”:**

1. Explain the empirical method as devised by Bacon.
2. What is said to be the one drawback of Bacon’s method?