

## WEBQUEST: THE SCIENTIFIC REVOLUTION

**Directions:** Read and follow the directions on this assignment in order to better understand the Scientific Revolution and its key thinkers. You will need a pen/pencil, notebook paper to write your answers on, and a pair of earbuds/headphones in order to listen to the videos. Watch the videos and then go to the websites in order to answer the questions.

### Nicolas Copernicus

Video: <https://www.youtube.com/watch?v=8fbCIQK977Y>

Website: [http://mrnussbaum.com/pioneers/nicolaus\\_copernicus/](http://mrnussbaum.com/pioneers/nicolaus_copernicus/)

Questions:

1. What idea is Copernicus most known for? (1<sup>st</sup> Paragraph) What is it?
2. Why was Copernicus careful not to tell anyone about his theory? (2<sup>nd</sup> paragraph)
3. What two other astronomers did Copernicus influence? (last paragraph)

### Johannes Kepler

Video: <https://www.youtube.com/watch?v=tp1WkB7l-9k>

Questions:

4. What did Kepler say about how planets orbit the sun? What shape do they orbit in?

### Galileo

Website: [http://www.ducksters.com/biography/scientists/galileo\\_galilei.php](http://www.ducksters.com/biography/scientists/galileo_galilei.php)

Questions:

5. How was Galileo different from earlier “scientists?” Explain.
6. Did Galileo think Copernicus’s views of the solar system were correct? Use a quote to from the website to explain your answer.
7. What happened to Galileo because of his beliefs?
8. Did the Catholic Church ever regret how they treated Galileo? (Look at the interesting facts section)

### Isaac Newton

Website: [http://www.ducksters.com/biography/scientists/isaac\\_newton.php](http://www.ducksters.com/biography/scientists/isaac_newton.php)

Questions:

9. Explain two scientific discoveries that Newton made (one of them must be gravity)
10. Click on the “three laws of motion” link and describe one of the three laws.

### Francis Bacon

Website: <http://www.ducksters.com/science/scientificmethod.php>

Questions:

11. Describe the scientific method in your own words.
12. What three scientists are most credited with the creation of the scientific method?

TAKE THIS TEN QUESTION QUIZ:

[http://www.ducksters.com/history/renaissance\\_astronomy\\_questions.php](http://www.ducksters.com/history/renaissance_astronomy_questions.php)

WHEN YOU ARE DONE, LET ME KNOW/SEE YOUR RESULTS!!

