

Scientific Revolution Walkthru

Answer on your own paper in complete sentences.



Timeline P.350-351

1. How many years passed after Copernicus published his book until Galileo began to study planets with the telescope?
2. In what year did the Mayflower sail and where was it going?

Venn Diagram P. 352

3. What was science based on before the Scientific Revolution?
4. What was used for research after the Scientific Revolution?

Picture P.355

5. What did Pythagoras study?
6. What is Euclid explaining in the bottom right corner of the painting?

Roots of the Scientific Revolution P. 356-357

7. In what way did Muslims impact the Scientific Revolution?
8. In what two ways did humanism impact the Scientific Revolution?

Nicolaus Copernicus P. 359

9. What did Copernicus believe was the center of the universe?
10. If you were Copernicus would you publish your theories or not? Why?

Kepler's Discoveries P. 360

11. How do planets move according to Kepler?
12. When do planets move faster?

Sir Isaac Newton P. 362

13. What did Newton discover about light?
14. What does gravity have to do with planets?

The Scientific Method P. 365

15. What is the point of doing experiments according to Bacon?
16. How does the natural world operate according to Descartes?

Rationalism and Democracy P. 367

17. How do "natural laws" apply to people?
18. What did people call for as a result of the scientific ideas?

Visual Summary P.371

19. List the roots of the Scientific Revolution.
20. Whose ideas helped create the scientific method?