

New Ideas in Science Cause a Revolution

- I. Renaissance inspires change of ideas
 - A. an increase in learning during the Renaissance caused a big shift in the study of science
 - B. previous ideas were disproven through new studies using math
 1. Copernicus proposed a heliocentric (sun-centered) model of the universe that went against the previous geocentric model supported by Ptolemy.
- II. New Ideas in Science
 - A. Galileo's findings of a heliocentric model upset the Catholic Church and was put on trial
 1. went against the Bible which state that the Earth was the center of the universe
 - B. a new process, the Scientific method, used logic and reasoning when discovering and studying new ideas
 - C. Newton explained gravity by developing a new branch of mathematics called calculus