

THE SCIENTIFIC REVOLUTION ★



What was a new way of thinking about the physical world, using reason, logic, theory testing, which led to modern science in the 1500s?

I. NEW THEORIES ABOUT THE UNIVERSE



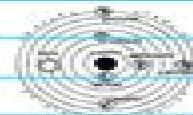
- geocentric - what was the geocentric view?

A. Nicolaus Copernicus

- believed the earth was round (sphere)

- Heliocentric

What is the heliocentric view?



- Copernicus feared of being charged of heresy by the Catholic Church - When did he publish his views about the universe?



B. Johannes Kepler

What did Kepler provide mathematical proof of?

JOHANNES KEPLER

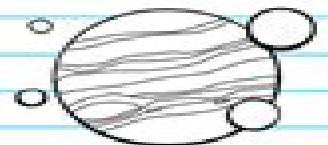
- Kepler believed the planets didn't orbit in circles, but in ellipses
- Kepler didn't fear the Catholic Church because he was a protestant German, out of reach of the church

II. CHALLENGING THE CHURCH



A. Galileo Galilei

- What did Galileo believe about what the rotation of the earth?



- What else did Galileo discover about the solar system?

- What was the effects of Galileo's published beliefs?



GALILEO GALILEI



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Christian Drosten



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Rethinking the Scientific Revolution Margaret J. Osler, 2000

The Scientific Revolution, 1998

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