Name Date
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#### THE RENAISSANCE AND REFORMATION

# **Viewpoints**

Modern science got its start in the Scientific Revolution of the 1500s and 1600s. One idea that caused great controversy was Copernicus's model of a sun-centered universe. Here two scientists, Galileo Galilei and Johannes Kepler, correspond about the dangers of discussing this theory in public. • As you read, think about the importance of public opinion. Then, on a separate sheet of paper, answer the questions that follow.

#### **Does the Earth Move?**

## Galileo to Kepler, Aug. 4, 1597

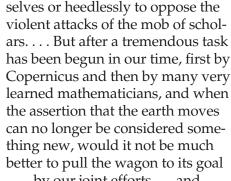
So far I have read only the introduction of your work, but I have to some extent gathered your plan from it, and I congratulate

myself on the exceptional good fortune of having such a man as a comrade in the pursuit of truth. . . . So I add only, and I promise, that I shall read your book at leisure; for I am certain that I shall find the noblest things in it. And this I shall do the more gladly, because I accepted the view of Copernicus many years ago, and from this standpoint I have discovered from their origins many natural phenomena, which doubtless

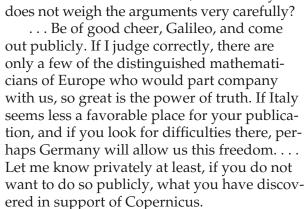
cannot be explained on the basis of the more commonly accepted hypothesis [that the earth was the center of the universe]. I have written many direct and indirect arguments for the Copernican view, but until now I have not dared to publish them, alarmed by the fate of Copernicus himself, our master. He has won for himself undying fame in the eyes of a few, but he has been mocked and hooted at by an infinite multitude. . . . I would dare to come forward publicly with my ideas if there were more people of your way of thinking.

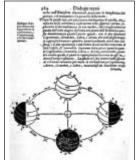
# of You advise us, by your personal example, and in discreetly veiled fashion, to retreat before the general ignorance and not to expose ourselves or heedlessly to oppose the

Kepler to Galileo, Oct. 13, 1597



by our joint efforts . . . and gradually . . . shout down the common herd, which really





Earth orbit after Copernicus, by Galileo, 1632

Source: "Comrades in Pursuit of Truth," from *The Portable Renaissance Reader*, eds. James B. Ross and Mary Martin McLaughlin, (Viking Penguin, Inc.: 1981).

### **Questions to Think About**

- 1. Why is Galileo reluctant to publish his ideas about Copernicus's theory?
- 2. What does Kepler suggest as an alternative to publishing in Italy?
- 3. Make Comparisons Do you think that scientists today are as worried about the reactions from the public as Galileo and Kepler were? Support your opinion with examples.