

# The Day the Universe Changed - Infinitely Reasonable

1. According to the narrator, explain what science is “all about.”
2. Who’s model of the universe was generally accepted in Europe in the 1500’s and what were some of the features of that model ?
3. In the 1500’s model of the universe, where was “straight-line” movement supposed to be normal ?
4. What needs prompted Copernicus to look at the problems that led to his sun-centered model of the universe ?
5. How might you disprove Aristotle’s assertion that every object behaves in only one way in all mediums ?
6. How did Tycho Brahe determine that his “new star” was far away, not close ?

7. What ideas did Tycho Brahe's observations of the 1577 comet call into question ?

8. What methods did Galileo use to develop his theory of falling acceleration ?

9. To what use was the telescope originally put ?

10. What was Kepler's method of accurately measuring orbits ?

11. Who brought the theories of Kepler, Benedetti, and Galileo together and what name did he apply to the phenomenon they all described ?

12. What delayed the 1757 return of Halley's Comet and who determined that the delay would happen ?