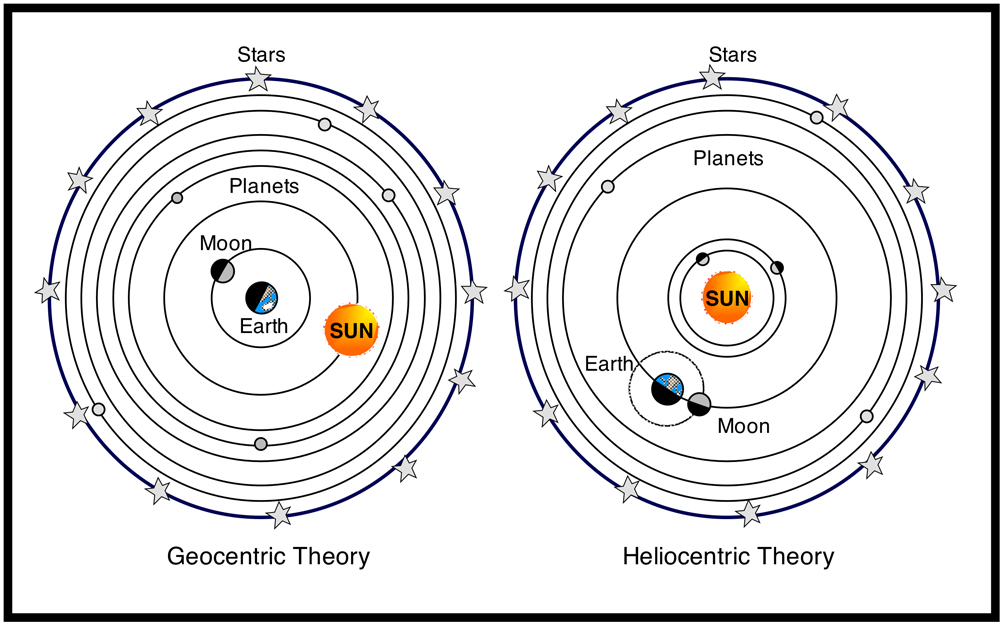
RS Notes: The Scientific Revolution

**How did thinking change?**

* Medieval scientists did \_\_\_\_\_\_\_ make observations
  + Looked at the works of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ for knowledge
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ thinkers \_\_\_\_\_\_\_\_\_\_ newly discovered works of \_\_\_\_\_\_\_\_\_\_\_\_, Archimedes, and \_\_\_\_\_\_\_\_\_
  + Learned that some had \_\_\_\_\_\_\_\_\_\_\_\_\_\_ with Aristotle
  + Tried to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the differences
* Technical \_\_\_\_\_\_\_\_\_\_\_\_\_, like determining how much a \_\_\_\_\_\_\_\_ could carry spurred a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ towards observation and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
  + New instruments, like \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_, will make these experiments possible
* They used \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to lead these experiments

**Astronomy**

* Born in 2nd Century AD, \_\_\_\_\_\_\_\_\_\_\_\_ was antiquity’s greatest astronomer
  + Ptolemaic system= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ model of the universe
    - Earth (motionless) is in the \_\_\_\_\_\_\_\_\_\_\_\_\_
    - Planets are different crystal-like \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - 10th sphere=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
      * It moves, so \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ inside its path moves
    - Beyond this, is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ believed in his \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system
  + Sun is in the \_\_\_\_\_\_\_\_\_\_\_\_\_
  + Planets \_\_\_\_\_\_\_\_\_\_\_ around the sun, the \_\_\_\_\_\_\_\_\_\_ around the Earth, and Earth rotates on an \_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ helped to destroy the Ptolemaic system
  + Observations \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the sun was the center
  + Tracked \_\_\_\_\_\_\_\_\_\_\_\_\_\_ orbits of the planets
    - Ptolemy said they were \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Englishman \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ responded to one of the questions for the new \_\_\_\_\_\_\_\_ of the universe: What explains \_\_\_\_\_\_\_\_\_\_\_\_\_ in the universe?
  + He defined \_\_\_ laws of motion
  + Crucial to his view is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - Every object in the universe is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to every other \_\_\_\_\_\_\_\_\_\_ by a force called \_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - This explained why \_\_\_\_\_\_\_\_\_\_\_\_\_ bodies did not go off in a \_\_\_\_\_\_\_\_\_\_\_\_ line, but traveled in elliptical \_\_\_\_\_\_\_\_\_\_\_\_\_
  + This dominated the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ until Einstein’s Theory of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ answered the other question for the new astronomy: What are the \_\_\_\_\_\_\_\_\_\_ made of?
  + He made \_\_\_\_\_\_\_\_\_\_\_\_\_ observations using a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - Saw \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the moon and moons orbiting \_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Ptolemy said they were made of \_\_\_\_\_\_\_\_\_\_, but now it seems they are made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Galileo vs. The Church**

* Galileo’s work began to make \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ aware of the new view of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + He got into \_\_\_\_\_\_\_\_\_\_\_\_\_\_ with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - The \_\_\_\_\_\_\_\_\_\_ ordered him to abandon the new system
    - Copernican model \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that of the Church and the \_\_\_\_\_\_\_\_\_\_\_
      * The heavens were not \_\_\_\_\_\_\_\_\_\_\_\_\_ but \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_ was no longer in a specific place
      * Most \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, however, believed the new \_\_\_\_\_\_\_\_\_\_\_\_ was correct