What was the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_? The emergence of modern science when developments in mathematics, physics, astronomy, biology, human anatomy, and chemistry transformed views of society and nature.

1. \_\_\_\_\_\_\_\_ of the Scientific Revolution
   1. Medieval intellectual life and medieval universities
   2. The Italian \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Renewed emphasis on mathematics
   4. Better scientific instruments
2. Scientific “Revolutionaries”
   1. \_\_\_\_\_\_\_\_\_\_\_\_: aimed to glorify God
      1. \_\_\_\_\_\_\_\_-centered universe (heliocentric)
      2. Earth no different than any other planet
   2. Tycho \_\_\_\_\_\_\_\_\_\_: arrogant Danish nobleman
      1. Discovered \_\_\_\_\_\_\_\_\_\_\_\_\_\_ shooting right through spheres in space
      2. Most advanced observatory
   3. Johannes \_\_\_\_\_\_\_\_\_\_\_: student of Brahe
      1. Planetary \_\_\_\_\_\_\_\_\_\_ confirms to mathematical formula; elliptical orbits
   4. Francis \_\_\_\_\_\_\_\_\_: Father of the Scientific Revolution
      1. The inductive method (AKA the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_)
   5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Galilei: mathematical formula for falling objects
      1. Law of inertia (\_\_\_\_\_\_\_\_\_\_\_\_)
      2. Discoveries using the telescope: proved the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ theory
      3. Father of Modern Science
   6. Rene \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: the deductive method
      1. Significance of \_\_\_\_\_\_\_\_\_\_: consider any false belief that falls prey to even the slightest doubt. “I think; therefore I am”
      2. Father of Modern Philosophy
   7. Isaac \_\_\_\_\_\_\_\_\_\_: physics and gravity (apple falling out of the tree)
      1. Color white = composite of \_\_\_\_\_ colors
      2. Three \_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_:
         1. Stationary body will stay \_\_\_\_\_\_\_\_\_\_\_\_\_ unless an external \_\_\_\_\_\_\_\_\_ is applied to it
         2. The relationship between mass, acceleration, and force is F=ma
         3. For every \_\_\_\_\_\_\_\_\_, there is an \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ reaction
3. Consequences of the Scientific Revolution
   1. Rise of the \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ (Royal Society of London)
   2. Modern \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_
   3. A universe ordered according to \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_
   4. \_\_\_\_\_\_\_\_\_ view of God: God doesn’t intervene with the functioning of the natural world