Ch 1: intro name:

Study Guide format: 20 Q; 5 T/F; 15 mc

**Vocab**

 *Scientific fact Scientific hypothesis scientific theory modern science*

 *scientific revolution language of modern science applied science*

 *religion pure science physics chemistry*

 *science earth science astronomy)*

**Formulae**; (units)

None yet…

**Things you MUST know:**

1. Know your vocabulary.
2. Be able to distinguish between a scientific fact and hypothesis and theory by definition.
3. Of the hard sciences we listed, which is the most fundamental?
4. According to what we discussed, what is the basic nature/process of a scientific revolution? (What many often call "scientific progress").
5. Distinguish between religion, art, and science. Why is it that they don't need to be in conflict?
6. What makes an hypothesis scientific (ie. the hallmark of the Scientific Method)
7. How many experiments does it take to falsify an hypothesis?
8. Know the reasons Christianity spawned modern science (3 were discussed).
9. Which language was responsible for the way in which science was done in the Renaissance? (Careful!)
10. Distinguish between the contributions of pure and applied scientists.
11. Secular society has recast the plight of Galileo erroneously and become heavy-handed with the role of the Church in the whole matter. Why is making the Church look like the intellectual version of an ostrich hiding its head in the sand (in a word, ignorant) unfair?
12. List the hard sciences we studied in order from most to least fundamental.