 ***What is going on be on the Foundations Physical Science exam on May 30th at 8:30am?!?!?!!?***

1. Unit 8 – Properties of Matter
   1. Physical/Chemical changes and properties
   2. Mixtures and pure substances
   3. Boyle’s and Charles’s Laws (Gas Laws)
   4. Thermal Energy and temperature
2. Unit 9 – Atomic Theory and Structure
   1. Scientists (Democritus, Dalton, Rutherford, Bohr, etc…)
   2. Atomic/Isotope structure (subatomic particles and nuclear notation)
   3. Electron Configuration
   4. Periodic table families
   5. Periodic trends (reactivity, ionization energy, atomic radius)
3. Unit 10 - Chemical Bonding & nomenclature
   1. Nomenclature rules for ionic and covalent
   2. Writing chemical formulas for ionic and covalent
   3. Lewis dot structure of compounds
   4. Metallic Bonding
4. Unit 11 – Chemical Reactions
   1. Identifying types of reactions
   2. Writing and balancing chemical equations
   3. Calculating Molar Mass
   4. Solubility
   5. Saturated, unsaturated, and supersaturated solutions
   6. Rates of Reactions
5. Unit 12 – Stars and Astronomy
   1. Life cycle of a Star and HR diagrams
6. Unit 13 - Nuclear Chemistry
   1. 3 Types of Nuclear decay equations
   2. Fission/fusion
   3. Graphing and solving half-life
7. Unit 14 – Acids and Bases
   1. Distinguishing between acids and bases
   2. Calculating pH

***How should I study?!?***

* First, start with topics you know you struggle with.
* Look over old tests—but take them over again! Quiz yourself. Don’t just skim over the test and expect to understand your mistakes.
* Redo old homework/practice problems. You’ll have to dust off some old skills we haven’t used in a little while!
* Rewrite old notes. Data suggests that *writing things down* is more likely to convert them to long term memory instead of just reading them!
* Start early. Set little goals for yourself each day leading up to the final. Starting to review the weekend before the final is *way too late*! (Although better than nothing…)
*  You can do it!!! Work hard and stay focused… summer will be here before you know it—but work hard all the way till the end ☺

Science final

A+