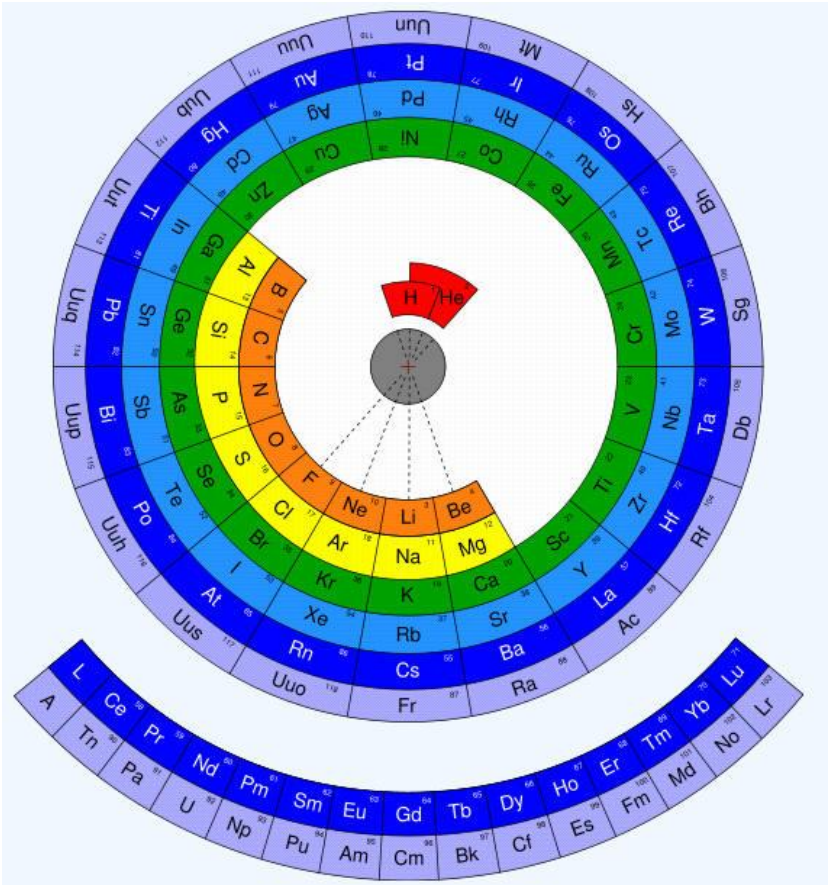
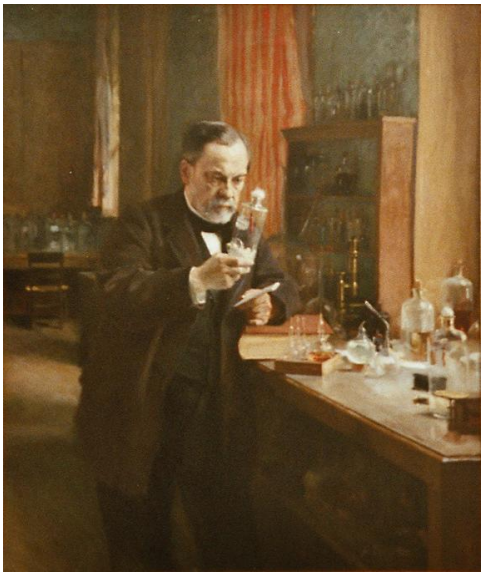
Chemistry 101



Washtenaw Community College



Chance Favors The Prepared Mind

Louis Pasteur (mid 1800's)

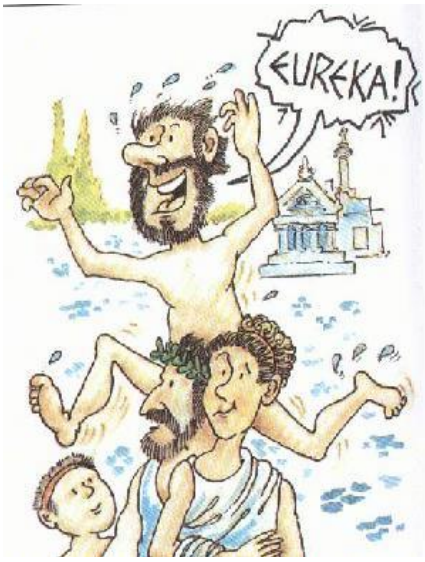
CEM 101 Introduction to Chemistry

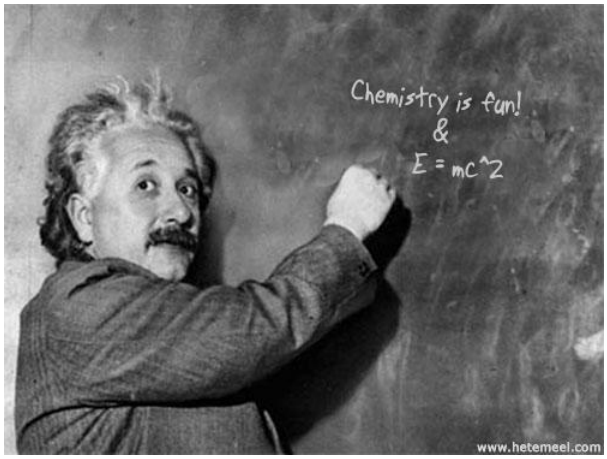
Unit	Lecture Topics
Unit 0 Introduction	**First Day** **Boost Grades**
Unit 1 Measurements	**Science** **Matter & Energy** **Measurements**
Unit 2 Scientific Notation	**Exponents** **Calculator Practice**
Unit 3 Significant Figures	**Rounding** **Density**
Unit 4 Atoms & Molecules	**Atoms** **Periodic Table**
Unit 5 Formulas & Notations	**Formula Nomenclature** **Formula Calculations** **Formula Review**
Unit 6 Balancing Equations	**More Moles** **Empirical Formulas** **Balancing** **Reactions**
Unit 7 Stoichiometry	**Stoichiometry** **Yields**
Unit 8 Gases	**Gases** **Gas Laws**
Unit 9 Solutions/Titration	**Solutions** **Solution Concentrations** **Titration**
Unit 10 Acids & Bases	**Titration Calculations** **Acids & Bases**
Unit 11 Atomic Theory	**Atomic Theory** **Electron Configuration** **Lewis Dots** **Bonding** **Fini**

Chemistry 101

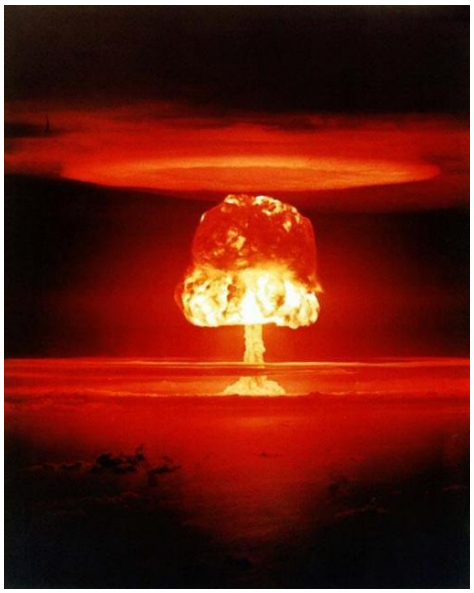
First Day

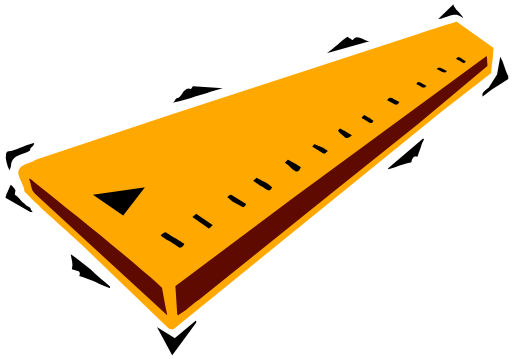
The Nature of Science



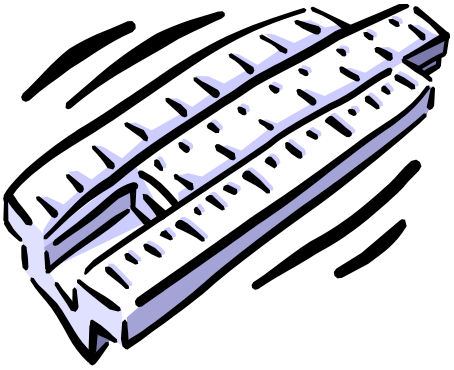


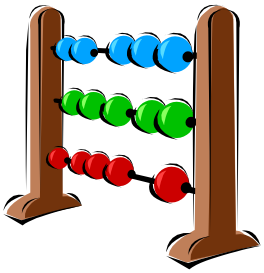
Matter & Energy



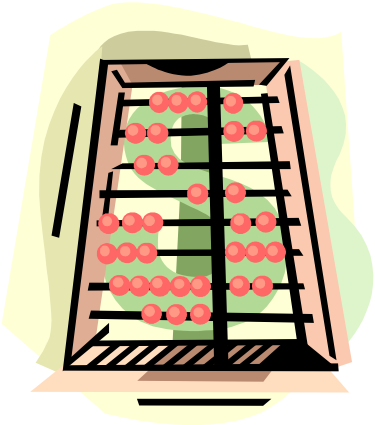


Measurements

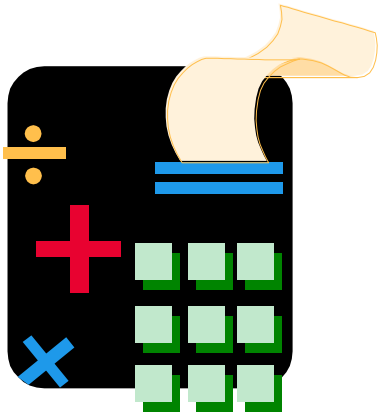




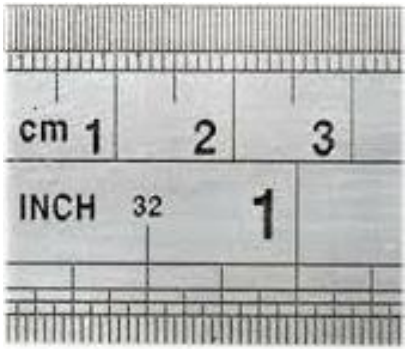
Exponents



Calculator Practice

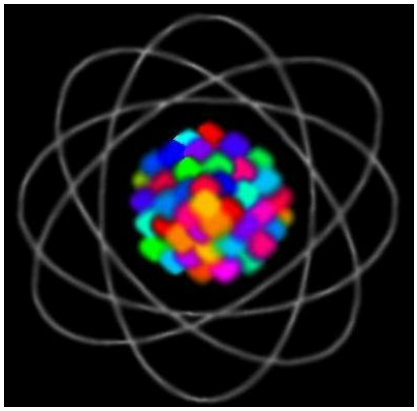


Rounding

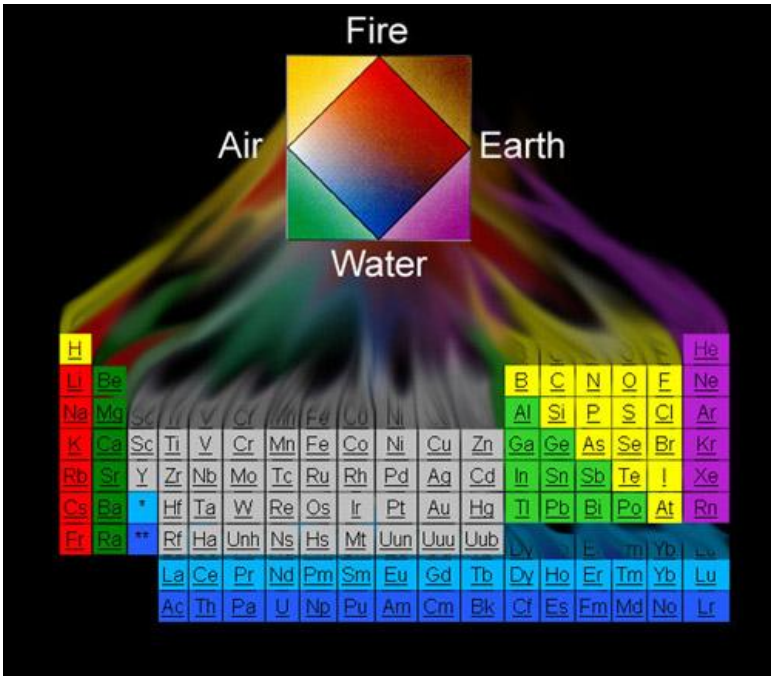


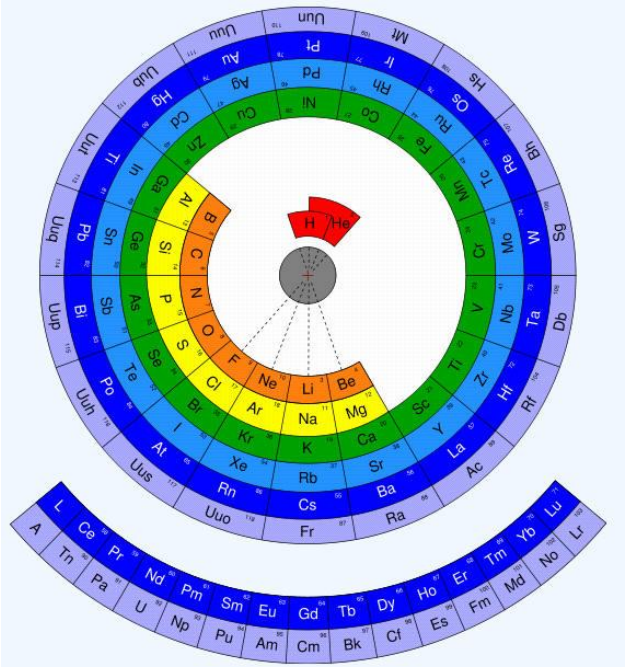
Metric ⇔ English

Density

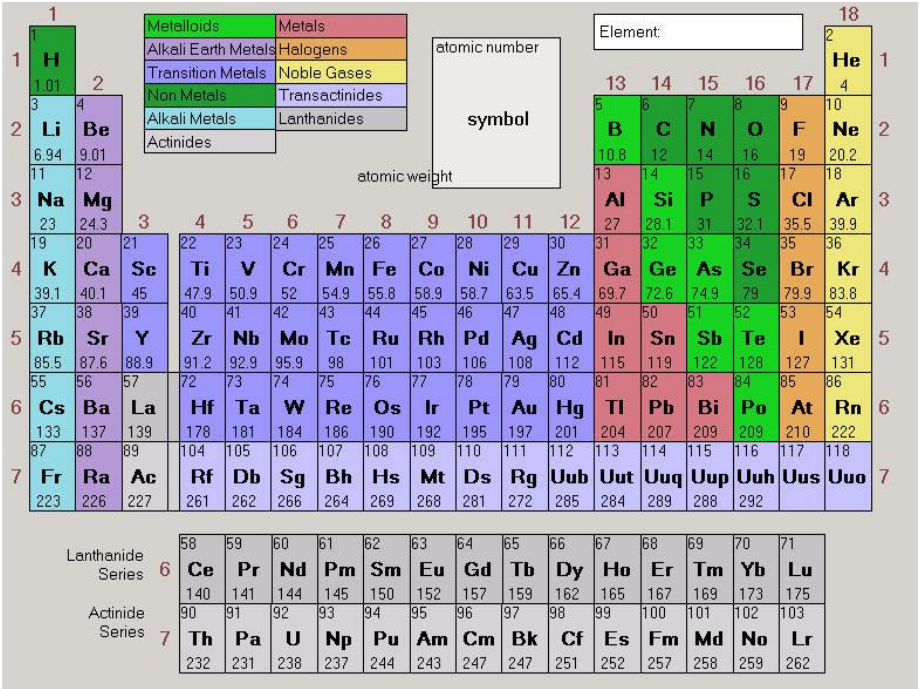


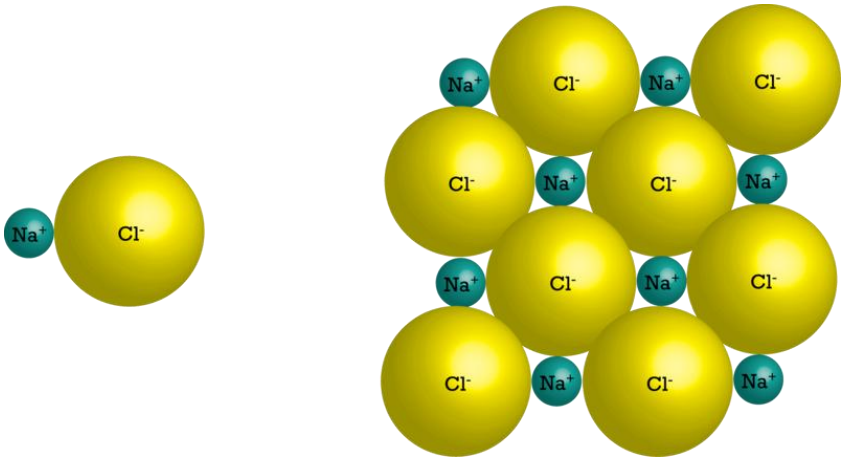
Atoms



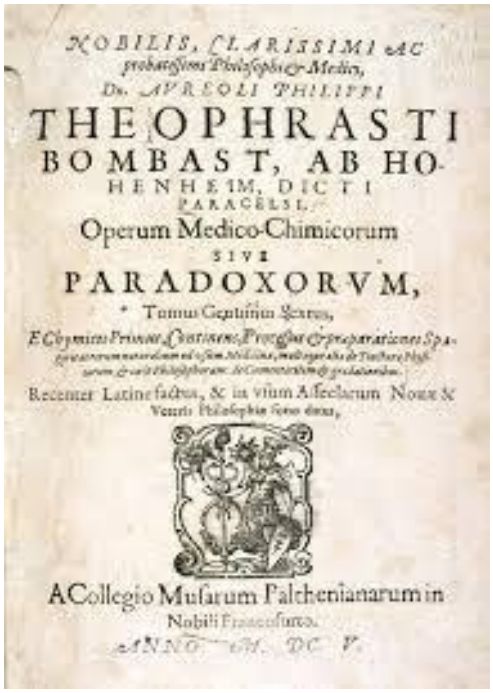


The Periodic Table





Formula Nomenclature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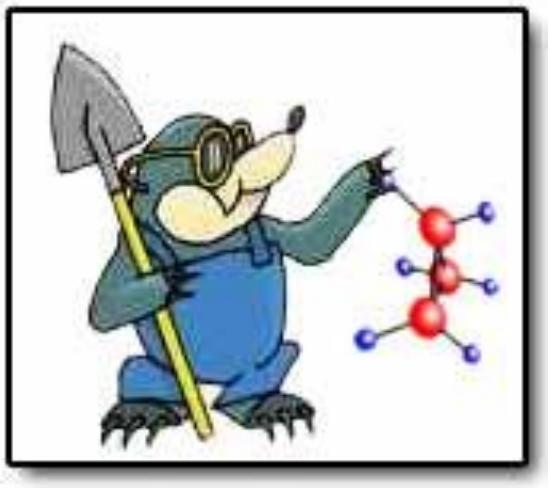
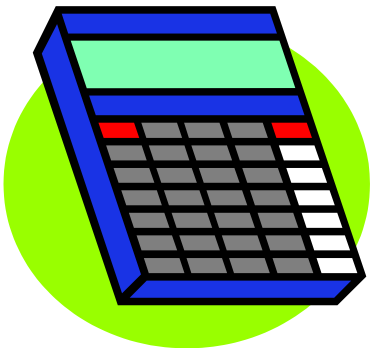
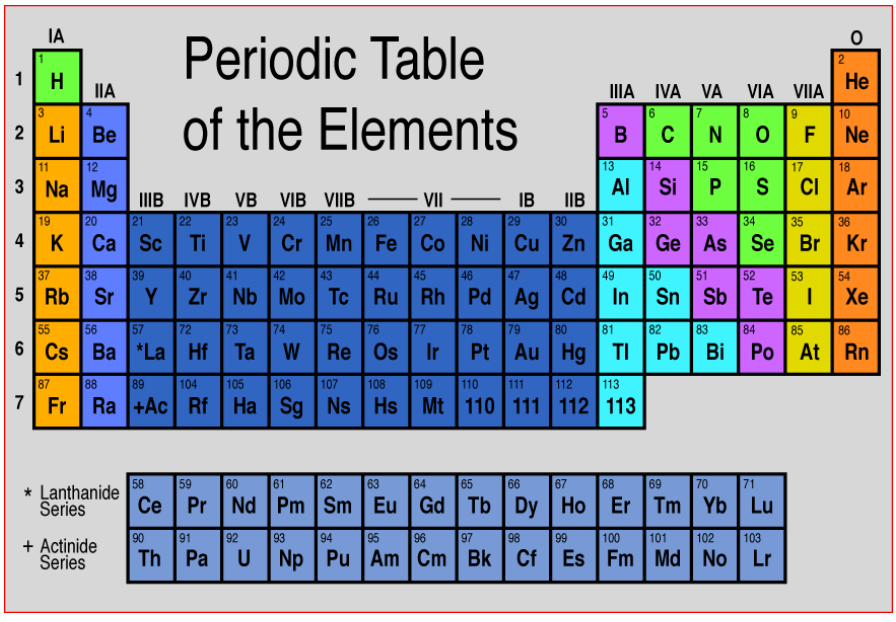
probatissimi Philosophi & Medici,
Dn. AVREOLI PHILIPPI
THEOPHRASTI
BOMBAST, AB HO-
HENHEIM, DICTI
PARACELSI,
Operum Medico-Chimicorum
SIVE
PARADOXORVM,
Tomus Septimus Sextus,
Recenter Latine factus, & in vsum Asseclarum Nouæ &
Veteris Philosophiæ sano dictus,
ACollegio Musarum Palchenianarum in
Nobili Francofurto.
ANNO M. DC V.



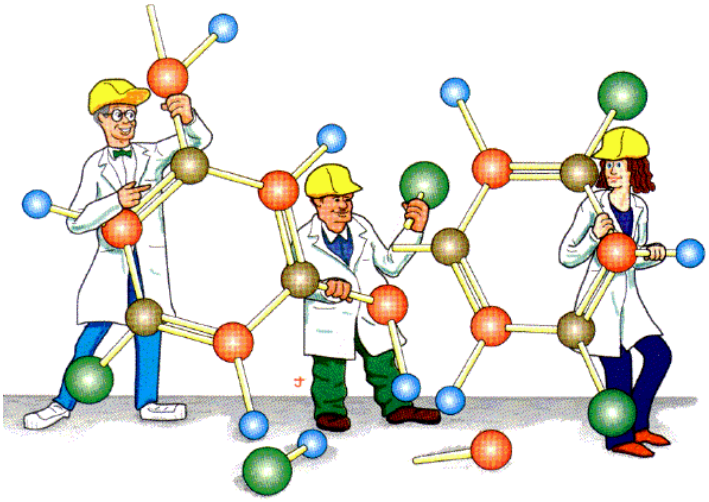
Formula Calculations



Formula Review



More Moles

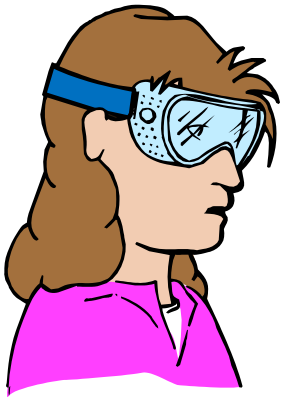


Empirical Formulas

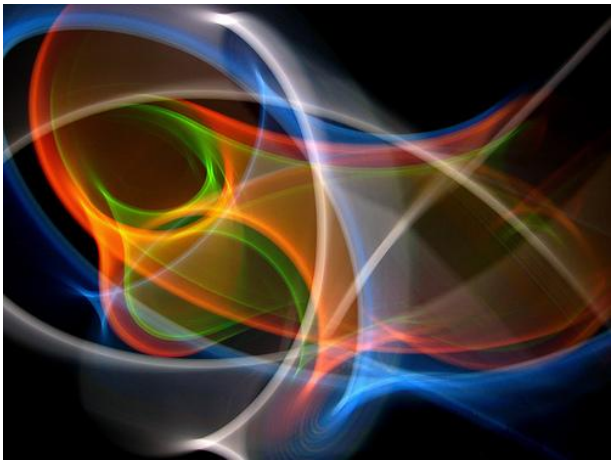
Balancing Equations

Chemical Reactions

Stoichiometry

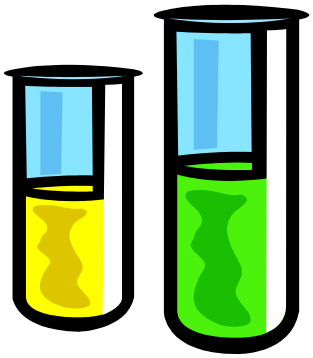


Calculating Yields



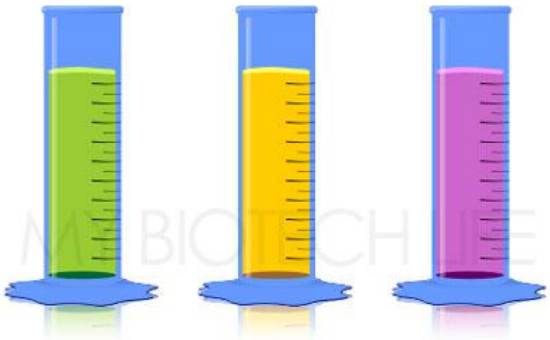
Gases

Gas Laws

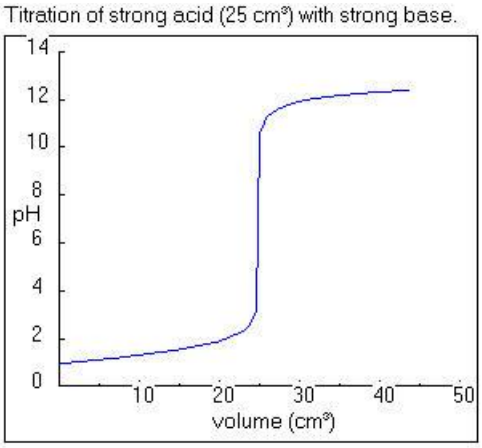


Solutions

Solution Calculations

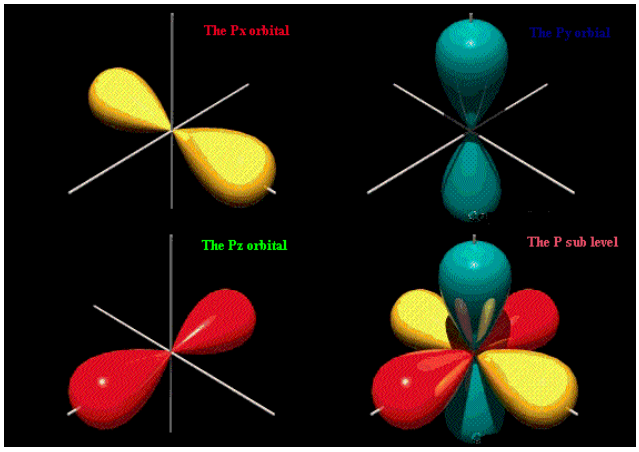


Titration

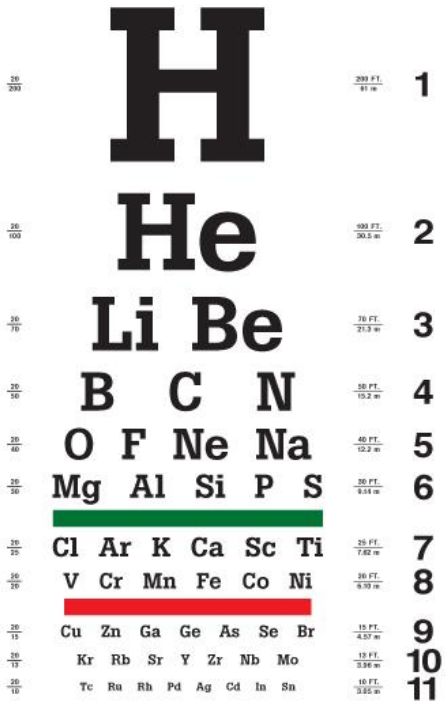


Titration Calculations

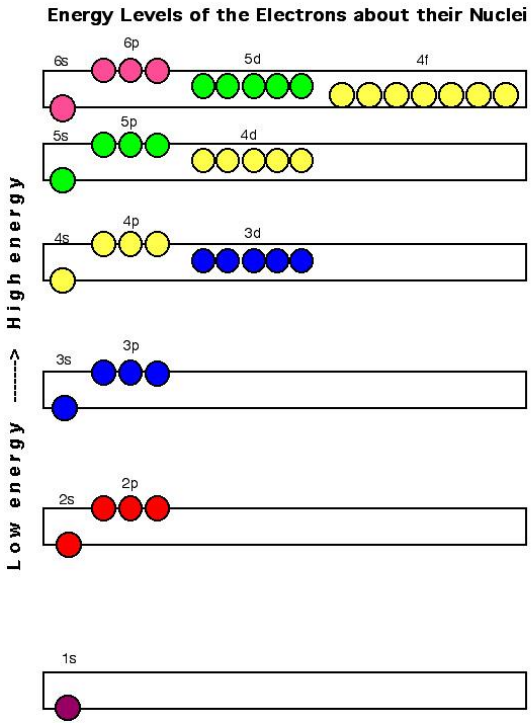
Acids & Bases

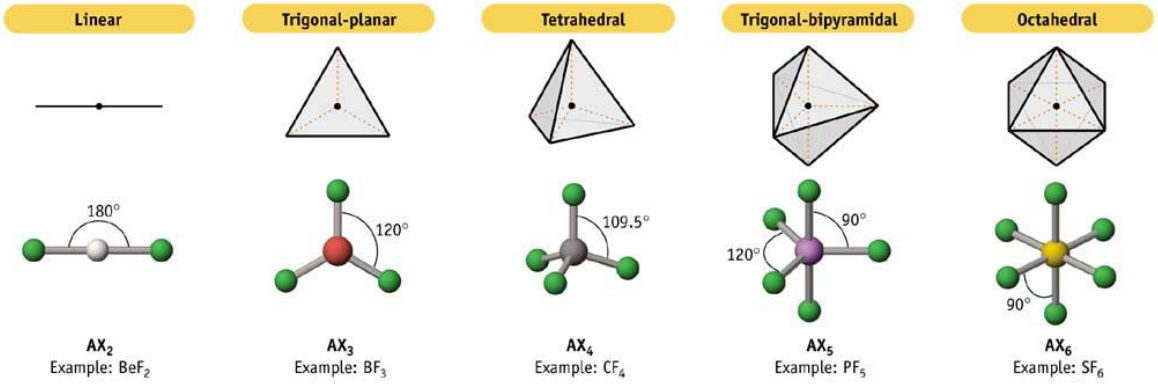


Atomic Theory

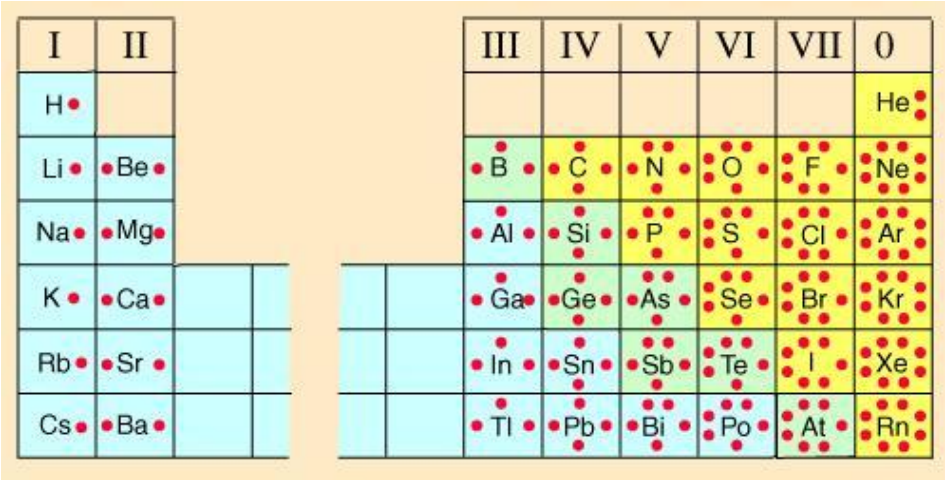


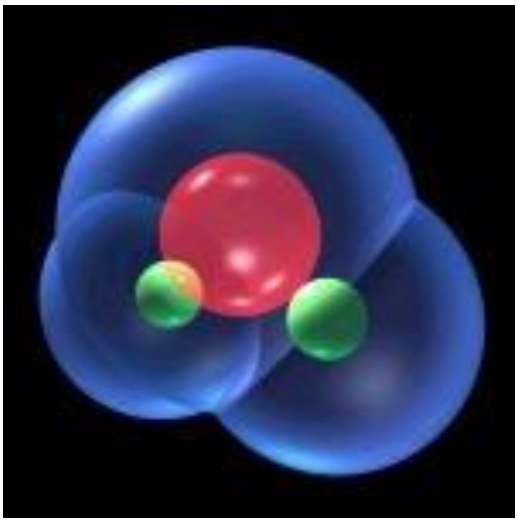
Electron Configuration Problems



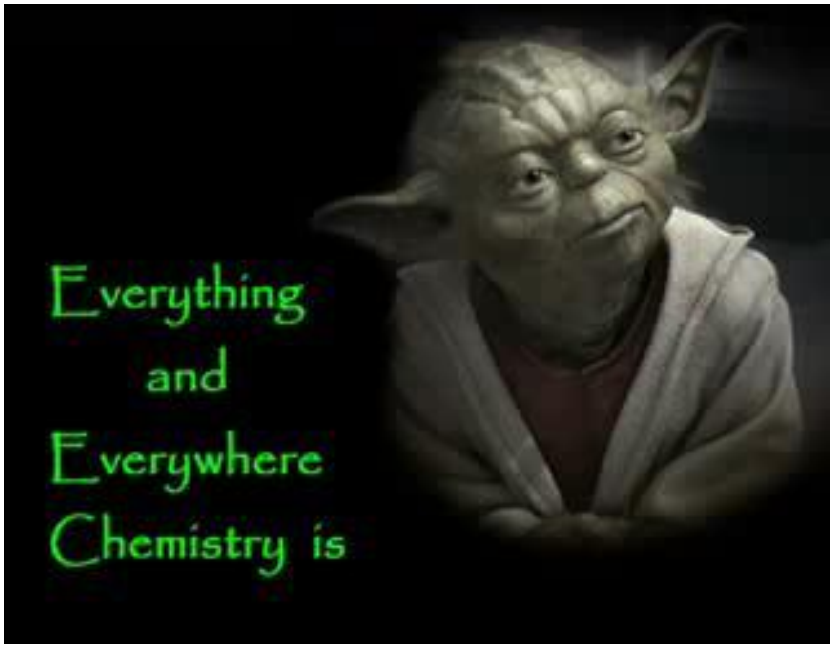


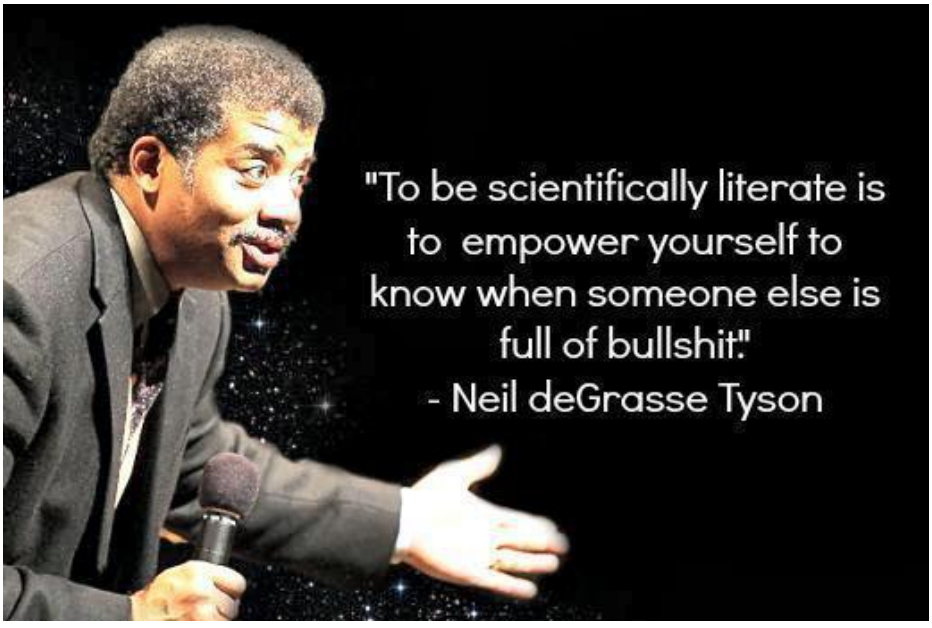
Lewis Dots





Bonding





Fini