

Welcome to Chemistry 105 (General Chemistry I)

- No lab this week.
- Discussion meets Wednesday afternoon.
- First meeting of gen chem workshop tomorrow 5:10 -7:10 P in HS -202. See syllabus and web site for more information.
- Instructor: Dr. Jonathan Gutow
 - Office Hours: MWF 11:30 -12:30, T Th 9 -10
- Web site:
www.uwosh.edu/faculty_staff/gutow/Chem_105_S07/Main.shtml

Should you be in this class?

YES

- Science major
- Pre-chiropractic
- Pre-dental
- Pre-medical
- Pre-pharmacy
- Pre-physical therapy
- Pre-veterinary

NO

- Prenursing (take **101**)
- Not currently at the level of Math **104** or above.

MAYBE NOT

- To fulfill general education requirements (Chem **103** and **104** satisfy this).

Matter and Its Origins

- A. States of matter
- B. Pure substances vs. Mixtures (homo vs. heterogeneous)
- C. Elements and Atoms
- D. compounds and Molecules
- E. Physical properties (color, state, density, conductivity, thermal conductivity, metallic character)
- F. Physical vs. Chemical Change
- G. Scientific Process/Method
- H. Big Bang
- I. Significant figures/digits (accuracy and precision)--in discussion tomorrow
- J. Properties of light
- K. metric prefixes
- L. Radioactive Decay/Half-Life
- M. Atomic Particles (neutrons, protons, electrons)
- N. Atomic Number/Atomic Mass/Isotopes
- O. Temperature (K, °C, °F)

Chang Figure 1.5

Filtration

Evaporation/
Distillation