Unit 2: Properties of Matter

Reading Assignments

Modern Chemistry (2006), Chpt. 1

Supplementary Reading

"The Brazil nut effect gets more jumbled", Science News v160 #20

Homework/Activities

9	Worksheet: States of Matter	Due:
9	Sect. Review (Chpt. 1, Sect. 2) (p.14) #1-3, 5	Due:
9	Article: Brazil nuts	Due:
9	Chapter Review (Chpt. 1) 6-7, 11-15	Due:
9	TBA:	Due:

Concepts/Topics

9	Matter: mass & volume	[p.6]	
9	9 Matter: physical properties/changes vs. chemical properties/changes		
	Physical properties: density, b.p., m.p., solubility, electrical, magnetic, size		
	Physical changes: states of matter, temperature, kinetic-molecular theory		
	Signs of chemical changes: color change, gas, precipitate, odor, heat, light		
9	Pure substances: elements, compounds; Mixtures: heterogeneous, homogeneous	[p.11-13]	
	Using physical properties to separate mixtures: devices & procedures		
9	Percent composition by mass		
9	Conservation of mass	[p.68-69]	
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Web Resources

Elmhurst College: Mixtures	www.elmhurst.edu/~chm/vchembook/106Amixture.html
Science Geek: Phase Diagrams	www.sciencegeek.net/Chemistry/taters/phasediagram.htm
Teacher Bridge: Physical vs. Chemical	www.teacherbridge.org/public/bhs/teachers/Dana/chemphys.html
Chemical Changes	www.ric.edu/faculty/ptiskus/chemical/