

Please feel free to e-mail me if you have
any questions: kandiani@uiuc.edu
BEST of LUCK

Highlighted Java Applets

<http://www.accad.ohio-state.edu/~midori/GasLaw.html> (with sound!!)

<http://chem.salve.edu/chemistry/gaslaws.asp>

http://www.chem.uci.edu/education/undergrad_pgm/applets/sim/simulation.htm

Additional Java Applets and Web-Based Science Activity Pages

Chemistry and Physics

<http://gk12.ncsa.uiuc.edu/resources.html>

http://www.edinformatics.com/il/il_chem.htm

<http://www.chemistrycoach.com/home.htm>

<http://www.wiley.com/college/webercises/#V.%20APPLIED%20CHEMISTRY>

<http://www.grc.nasa.gov/WWW/K-12/airplane/aglussac.html>

<http://www.grc.nasa.gov/WWW/K-12/airplane/aboyle.html>

<http://jersey.uoregon.edu/vlab/Piston/index.html>

<http://www.chm.davidson.edu/ChemistryApplets/index.html>

<http://www.shodor.org/cserd> (search chemistry)

Biology, Biochemistry and Microscopy

<http://www.cellsalive.com>

<http://micro.magnet.fsu.edu/index.html>

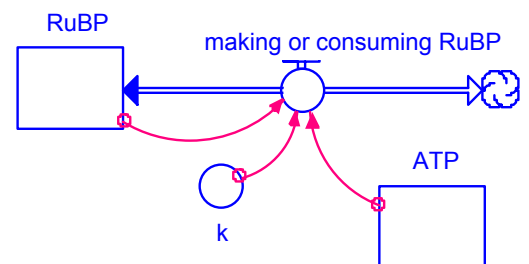
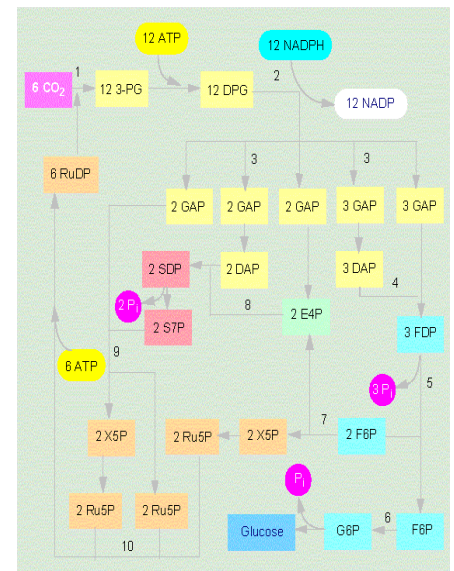
<http://peptide.ncsa.uiuc.edu/curricular/> (Biology Student Workbench)

<http://www.nobel.se/chemistry/educational/vbl/index.html> (Nobel Laboratory)

<http://bcs.whfreeman.com/thelifewire/> (Biology tutorials: Chp5 Review of Transport - Passive versus Active)

<http://www.emc.maricopa.edu/faculty/farabee/BIOBK/BioBookATP.html> (ATP)

<http://www.tvdsb.on.ca/westmin/science/sbioac/plants/chemios.htm> (ATP synthesis)



Chemistry Demonstrations (including online movies) and Activities Tested in Illinois High Schools

<http://chemed.chem.purdue.edu/demos/index.html> (demonstrations)

<http://gk12.ncsa.uiuc.edu/teams2002.html> (see Centennial High-“Chemistry in Action” for a familiar activity!)

General Modeling

<http://mvhs1.mbhs.edu/mvhsproj/coremodels/materials/index.html> (STELLA Modeling Activities)

<http://www.hps-inc.com> (STELLA software w/free runtime version)

<http://www.shodor.org/interactivate> (Math Tools)

http://www.shodor.org/~bievenue/NECC03/new_science_urls.html (referenced links to many Modeling sites)

Books: Hannon, B and Ruth, M., *Modeling Dynamic Biological Systems*, New York: Springer-Verlag, 1997.
(STELLA and MADONNA <http://www.berkeleymadonna.com/> for use in Biology and Chemistry)

Molecular Modeling Software

<http://chemviz.ncsa.uiuc.edu> (Chem-Viz: hard copy also available)

<http://www.umass.edu/microbio/rasmol/getras.htm> (RASMOL)

<http://www.cachesoftware.com> (Cache-free 30 day trial version available w/ free activity book)

<http://www.mdli.com> (Chime Browser Plugin)

<http://www.parallelgraphics.com/products/cortona> (VRML browser plugin)

Additional Chemistry Resources

<http://chemviz.ncsa.uiuc.edu/content/doc-resources.html> (Lots of neat web-based resources)