

Notes

1. Educators should also consider the Molecular Workbench (12), which generates tutorials in the form of java applications that can be started from a web page although they are not contained within the web page. Molecular Workbench uses Jmol for 3-D molecule visualization. (13, 14)
2. For generating simple 2-D chemical animations or having students use cartoons to develop their understanding of the microscopic nature of matter consider using the Chemsense package. (15)

References

1. Jmol web site. <http://www.jmol.org> (accessed 8/21/2009).
2. Summary of tools for generating Jmol pages, JTAT wiki. <http://www.bioinformatics.org/jmol-tutorials/wiki/> (accessed: 8/21/2009).
3. The JTAT template. http://www.bioinformatics.org/jmol-tutorials/jtat/_docs/index.htm (accessed: 8/21/2009).
4. The International Union of Crystallography now has an online server for generating Jmol crystallographic views for their journals. McMahon, B.; Hanson, R. M.; *J. App. Cryst.* **2008**, *41*, 811-814.
5. Web sites using Jmol. http://wiki.jmol.org:81/index.php/Websites_Using_Jmol (accessed: 8/21/2009).
6. Journals using Jmol. http://wiki.jmol.org:81/index.php/Journals_Using_Jmol (accessed: 8/21/2009).
7. Herráez, A.; *Biochem. and Mol. Bio. Educ.* **2006**, *34*, 255-261.

8. Cass, M. E.; Rzepa, H. S.; Rzepa, D. R.; Williams, C. K.; *J. Chem. Educ.* **2005**, *82*, 1736-1740.
9. Source code and ancillaries of the webexport package.
<http://jmol.svn.sourceforge.net/viewvc/jmol/trunk/Jmol/src/org/openscience/jmol/app/webexport/> (accessed 8/21/2009).
10. More examples of what can be done with the "export to web..." function can be found at the author's web site by following the links to "Interactive molecules & Jmol stuff" at
<http://www.uwosh.edu/facstaff/gutow>.
11. The most up-to-date version of the tutorial may be accessed at
http://www.uwosh.edu/faculty_staff/gutow/Jmol_Web_Page_Maker/Export_to_web_tutorial.shtml; a Spanish version maintained by Angel Herráez is available at
http://biomodel.uah.es/Jmol/exporta_a_web/.
12. Molecular Workbench. <http://mw.concord.org> (accessed: 8/21/2009).
13. Xie, Q.; Tinker, R.; *J. Chem. Educ.* **2006**, *83*, 77-83.
14. Pallant, A.; Tinker, R.; *J. Sci. Educ. and Tech.* **2004**, *13*, 51-66.
15. Chemsense package. <http://chemsense.org/> (accessed: 8/21/2009).