

Activity: Polyatomic Ions

Directions:

Go to www.drqchemistry.weebly.com and click on the Digital Content tab. Look for the ChemThink Simulations button. Now look for the 'Ion Formation' simulation. Click on it and then scroll down and click on the large 'play' button. Log in as a Guest and begin the simulation.

1. What causes an ion to have a charge?
2. Do ions behave the same as they atoms from which they were formed? Why or why not?
3. How do we calculate the charge on an ion?
4. Are protons gained or lost when ions are formed?
5. What does the term "polyatomic ion" mean?
6. What is a polyatomic ion?
7. Describe how one oxygen atom bonds to one hydrogen atom to form a hydroxide ion.
8. Draw the sulfate ion and the ammonium ion.

Now, try the "questions" at the end of the section to see what you've learned. This will be excellent practice for you for the topic quiz and unit test!