

Activity: Ionic Formulas

Directions:

Go to www.drqchemistry.weebly.com and click on the Digital Content tab. Look for the ChemThink Simulations button. Now look for the 'Ionic Formulas' 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. How do ionic compounds form?
2. What are the noble gases?
3. Why are they noble?
4. Why would Na lose 1 electron rather than gain 7 electrons?
5. Why would Cl gain 1 electron rather lose 7 electrons?
6. Based on this information, what generalization could you come up with about which atom would gain electrons and which atom would lose electrons?
7. In order to form an ionic compound what must happen to the atoms and what must be true about their charges?
8. What do the subscripts of a formula have to do with the charges?
9. List 3 key ideas for ionic formulas.

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!