

Activity: Ionic Bonding

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 Bonding' 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 happens to electrons in an ionic bond?
3. What happens when two negatively charged ions come closer together?
4. What happens when one positively charged ion and a negatively charged ion come closer together?
5. What do you need for an ionic bond to occur?
6. Which elements form positive ions?
7. Which elements form negative ions?
8. What do you notice about the size of the ions as they come together?
9. How does a single set of ions in a bond come together with others to make a piece that you can see?
10. What is this structure called?
11. How is an ionic compound's formula related to its structure?

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!