

## Activity: Covalent Bonding

### **Directions:**

Go to [www.drqchemistry.weebly.com](http://www.drqchemistry.weebly.com) and click on the Digital Content tab. Look for the ChemThink Simulations button. Now look for the 'Covalent 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. What happens as two atoms get closer together?
2. Explain how the atoms form a covalent/molecular compound (HINT think about being stuck)
3. What types of atoms form covalent/molecular bonds?
4. In terms of energy, why do the bonds form?
5. Why don't the nuclei crash into each other?
6. How do you draw shared pairs of electrons?
7. What do the prefixes mean when naming the covalent/molecular molecules?
8. What are the 5 key ideas about covalent/molecular bonding?

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!