

**Main Ideas, Key Points,
Questions:**

After watching the video segment, write down key points, main ideas and big questions.

Objective(s):

- *To investigate the electrical interactions that occur between atoms to form chemical bonds.*

Notes:

During the video segment, use words, phrases or drawings to take notes.

Summary:

*After watching the video segment, write at least three sentences explaining what you learned.
You can ask yourself: "If I was going to explain this to someone else, what would I say?"*

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

- 1. Our current model of a chemical bond is to think of it as an electrical interaction between what two parts of an atom?**
- 2. Two main forces occur in the electrical interactions of an atom: attraction and repulsion. In a chemical bond, which force is the stronger of the two?**
- 3. What is the difference between intramolecular forces and intermolecular forces? Which type is stronger?**
- 4. Draw a Lewis dot diagram of Lithium bonding with Fluorine. How many electrons moved?**
- 5. What is the Octet Rule?**
- 6. Why is the number "+1" written on the periodic table above the period that contains H, Li and Na? Does this period of elements form cations or anions?**
- 7. Ionic bonds are at one end of the bond spectrum. What kinds of bonds are at the other end?**
- 8. If two atoms form a covalent bond, what is the difference in electronegativity between the atoms?**