**Name:**

**Date:**

**School:**

**Facilitator:**

1.08 Task 2: Covalent and Ionic Bonding

**Answer the following questions about covalent and ionic bonding.**

1. What is ionic bonding?
2. How many valence electrons does sodium have? How many valence electrons does chlorine have?
3. How does chlorine bond with sodium?
4. What is the charge on a sodium ion? What about the chlorine ion?
5. When does covalent bonding occur? How does it work?
6. How many valence electrons does oxygen have?
7. Why do oxygen and hydrogen bond so well?