**Name:**

**Date:**

**School:**

**Facilitator:**

3.01 Properties of Water

**Directions: Answer the following questions based on the information from the lesson. Answer in complete sentences with as much detail as possible in order to receive full credit.**

1. Explain the chemical makeup of a water molecule and what makes water a polar molecule.

2. Why is water considered the universal solvent? Explain how water is able to dissolve a wide range of substances.

3. Why is it important to plants and animals that water is able to dissolve many different substances?

4. Water droplets are many molecules of water that join together. What property of water allows water droplets to form?

5. Explain how insects such as water striders are able to walk on water?

6. Explain why water is such a good coolant.