

Name: _____ Date: _____ Class: _____

Activity Pre-Evaluation **Example Answers**

Instructions: Answer the following questions to the best of your ability based on your prior knowledge.

1. Define the following terms in your own words:

Atom: **The building block of matter.**

Element: **A substance made of one or more of the same kind of atom.**

Molecule: **A substance made of two or more atoms.**

Particle: **The smallest piece of a substance.**

Bonding: **The force of attraction between molecules.**

2. From what elements is water made?

Water is made of hydrogen and oxygen. H₂O

3. How are water molecules connected?

Water molecules are connected by hydrogen bonding. This occurs when a hydrogen atom experiences attraction to some other nearby atom. The attraction in a hydrogen bond is electrostatic and occurs when a hydrogen atom bound to a highly electronegative atom is attracted to some other nearby electronegative atom.

4. Describe the behavior of water when a straw is placed in water.

Answer: Water moves up in the straw due to capillary action, which is a result of surface tension—the property of the surface of the water due to the cohesive nature of water molecules.