**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.

1. From what elements is water made?

Water is made of hydrogen and oxygen. H2O

1. 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.

1. 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.