

Name: _____

Period: ____ Date: _____

Properties of Water Worksheet

1. Write the chemical formula for water.
2. What type of bonds make up a water molecule?
3. Why is water the most important molecule on earth?
4. What does it mean to be polar? Why is water a polar molecule?
5. Are the shared electrons attracted to the oxygen or the hydrogen atoms in a water molecule?
6. Draw a diagram of a water molecule.
Label the ends of the molecule with their charges.
7. What is cohesion? Define it and give an example.
8. What is adhesion? Define it and give an example.
9. What causes surface tension in water?
10. What is the weak bond that forms between water molecules?

Identify the following descriptions as either adhesion (A) or cohesion (C).

1. _____ Water molecules sticking to a mirror's surface.
2. _____ Water molecules form a bead on a surface from sticking to one another.
3. _____ Water molecules are attracted to other water molecules.
4. _____ Water molecules are attracted to different types of molecules.
5. _____ The water doesn't drip off the pine needle because water is attracted to the needle's surface.

