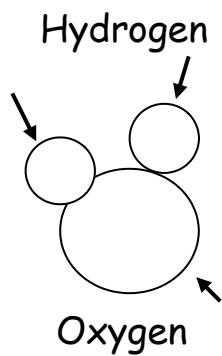


WATER CARNIVAL

Water has unique abilities or **properties** that cause it to be the most effective substance for moving **pollution** from one place to another. Water **molecules** can stick to themselves or other substances, pull them along, and even **dissolve** them. The properties of water cause water molecules to perform some amazing tricks. Try the following activities to see how this works. Each activity has a measurement that should be recorded on the scoreboard below.

WHAT IS WATER?

Water is essential to life. Water, (H₂O), is composed of two hydrogen atoms bonded to one oxygen atom in a special way. The shape of the molecule resembles a Mickey Mouse head - a big head (oxygen atom) with two ears (hydrogen atoms). This gives the molecule two areas of charge. One molecule's "ears" are attracted to the next molecule's "face", sticking the molecules together (**cohesion**). One glass of water contains millions of molecules. The attraction of water for other solid objects is called **adhesion**. Some substances that are attracted to water come apart (**dissolve**) in it.



In the box below, draw and label a water molecule.



WATER CARNIVAL SCOREBOARD

EXERCISE	PREDICTION	RESULTS
Drops on a Penny	_____ # Of drops	_____ # Of drops
Water Stretch	_____ cm	_____ cm
Paper Towel Absorption	_____ Towel #1 _____ Towel #2	_____ Towel #1 _____ Towel #2
Spill Thrill	_____ Above slit	_____ Above slit

This activity page was provided by special permission from The Mississippi Department of Environmental Quality. To learn more about the Watershed Harmony Environmental Puppet Theater or Study Guide, please visit www.bayoutown.com.