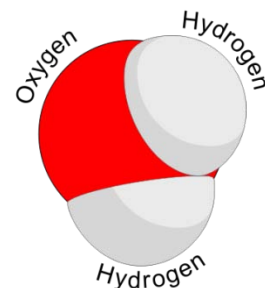


Water Properties Mini-Book

NOTE - NUMBER EACH PAGE IN THE LOWER RIGHT CORNER STARTING WITH PAGE 1 ON THE INSIDE RIGHT HAND PAGE

FRONT COVER

- Write the book title - PROPERTIES OF WATER
- Sketch and color a water molecule
- In the middle/bottom of the page write your name, class, period

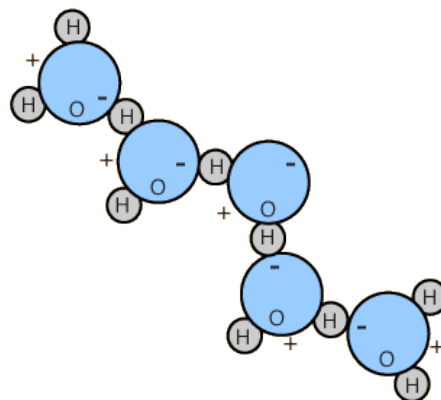


Inside Cover:

- Title: Why Water
- List 3 important facts about water
- Draw a picture of one of your facts

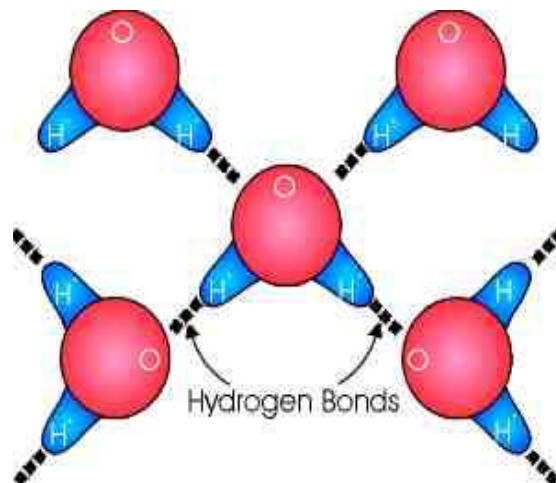
PAGE ONE

- Write the Page title, UNIVERSAL SOLVENT, centered at the top of the page.
- Draw and color (Oxygen-RED and Hydrogen- BLUE) water molecules held together by hydrogen bonds
- Answer the following in bullet point form:
 - What is a solvent?
 - Why is water called a universal solvent?
 - What is a solute?
 - Which type of molecules, polar or nonpolar, dissolves in water?



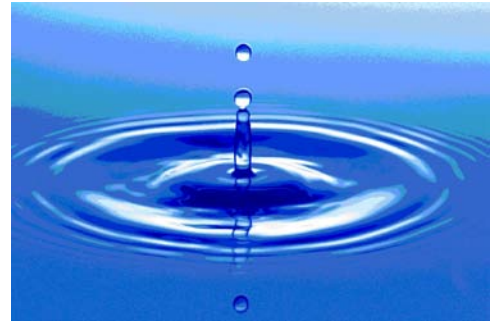
PAGE TWO

- Write the Page title, POLARITY, centered at the top of the page.
- Draw and color (Oxygen-RED and Hydrogen- BLUE) water molecules held together by hydrogen bonds
- Answer the following in bullet point form:
 - What is meant by polarity?
 - Which end of the water molecule attracts most of the electrons and acts negative?
 - Which end acts positive?
 - How do water molecules act like "little magnets"?



PAGE THREE

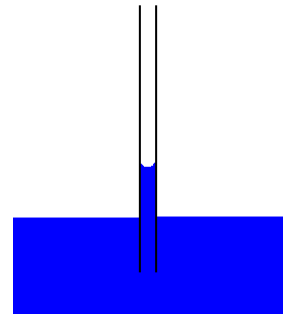
- Write the Page title, *COHESION*, centered at the top of the page.
- Sketch and color the water droplet
- Answer the following in bullet point form:
 - What is cohesion?
 - Cohesion produces _____ tension as the water molecules hold tightly together.
 - How do living things like insects use surface tension?



PAGE FOUR

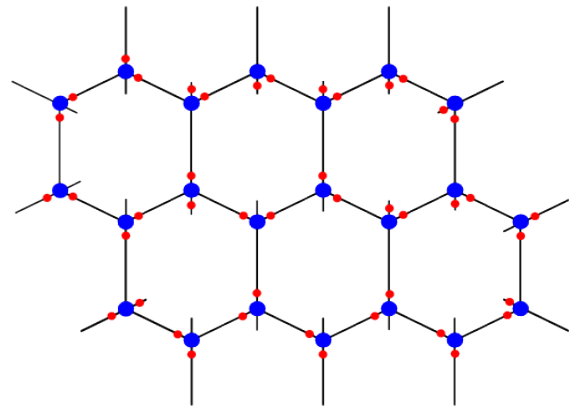
- Write the Page title, *ADHESION*, centered at the top of the page.
- Sketch and color the picture below.
- Answer the following in bullet point form:
 - Define adhesion.
 - Adhesion produces an effect called _____ action when you place a straw in a liquid
 - Explain how adhesion and cohesion help plants move materials.

Adhesion pulls the liquid up the sides of the straw (capillary action).



PAGE FIVE

- Write the Page title, *INSULATION*, centered at the top of the page.
- Sketch and color the ice crystal.
- Answer the following in bullet point form:
 - When is water the densest?
 - Explain why ice floats?
 - How is a lake or river that freezes over helpful to the organisms in the water?



PAGE SIX

- Write the page title, *pH*, at the top
- Sketch the pH scale
- Answer the following in bullet point form:
 - What does pH measure
 - Compare acids and bases
 - Give examples of acid and base

