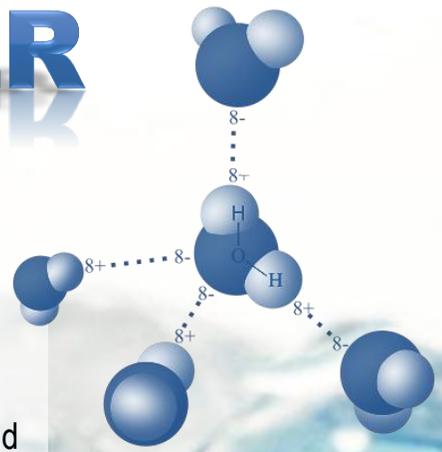


KNOW YOUR WATER

Water is everywhere, and it's common knowledge that drinking water is important, but how much do you actually know about water? Let's take a closer look at the world's most precious resource.

What is water?

Water or H₂O is literally unique. The chemical composition (two hydrogen atoms bonded to one oxygen atom) allows water to naturally bond to other elements and molecules. It is one of the few molecules that can be found in nature as a solid (ice), liquid (water), and gas (fog). The scientific name for water is *Dihydrogen Monoxide* or literally "two hydrogen one oxygen".



Basic Classification of Water

Water is generally classified into two groups: **surface water** and **ground water**. Surface water is just what the name implies; it is water found in a river, lake or other surface impoundment. This water is usually not very high in mineral content, and many times is called "soft water" even though it usually is not. Surface water is exposed to many different contaminants, such as animal wastes, pesticides, insecticides, industrial wastes, algae and many other organic materials. Even surface water found in a pristine mountain stream possibly contains Giardia or Coliform Bacteria from the feces of wild animals, and should be boiled or disinfected by some means prior to drinking.

Ground Water is that which is trapped beneath the ground. Rain that soaks into the ground, rivers that disappear beneath the earth, and melting snow are but a few of the sources that recharge the supply of underground water. Because of the many sources of recharge, ground water may contain any or all of the contaminants found in surface water as well as the dissolved minerals it picks up during its long stay underground. Water that contains dissolved minerals, such as calcium and magnesium above certain levels are considered "hard water". Because water is considered a "solvent", ie, over time it can break down the ionic bonds that hold most substances together, it tends to dissolve and 'gather up' small amounts of whatever it comes in contact with. For instance, in areas of the world where rock such as limestone, gypsum, fluorspar, magnetite, pyrite and magnesite are common, well water is usually very high in calcium content, and therefore considered "hard".

Basic Water Facts:

- The human body is made of approximately 70% water.
- Water covers about 70% of the earth's surface.
- About 98% of all water on the earth is salt or sea water.
- 2% of all the water on the planet is considered fresh water.
- Most of the fresh water on the planet is frozen in glaciers.
- Only ½ of 1% of all water is underground and about 1/50th of 1% is found in lakes and streams.
- The human race consumes about over a billion gallons of water every day.
- The total amount of water on the earth is about 326 million cubic miles of water.

FOR MORE INFORMATION:

Click on the below links to learn more.

[Water Quality Association](#)
[Florida WQA](#)

Contact us today for more info!

(904) 744-4627 Jacksonville, FL
(904) 261-1006 Fernandina, FL

<http://www.all-americanwater.com/>

