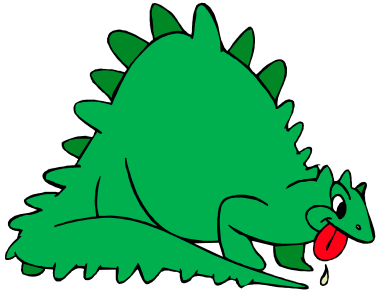


Water Facts



The human body is 66% water.

The earth is covered with 75% water.

Only 3% of the water on earth is fresh water; 97% is salt water in seas and oceans. Of that 3%, only 1% is available for use, the other 2% is in glaciers, ice caps and water vapor.

Water is the only substance on earth that exists in three forms and can change back and forth.

The same water we use today was used by dinosaurs millions of years ago.

Water Is Important!

Every living thing NEEDS water to live. And we use it a lot too for cooking, washing dishes, taking showers, brushing our teeth, washing our cars and pets, filling our swimming pools...the list goes on.



Water Is Cool!

There are three forms of water: liquid, solid and gas.

LIQUID is the form we see in the lakes and oceans. It's the form we drink, wash up with and it's the form we see when it rains.

Water in its SOLID form is ice and snow and hail. Solid water happens when liquid water gets cold and freezes.

Water in its GAS form is also called water vapor. You can't see, smell or taste it. You will know it's there when it hits something cool and turns back into its liquid form. When water is heated, it boils and steam rises up; that is water vapor as it hits cool air and turns back into small water molecules. When water changes from a liquid to a gas, it's called evaporation.



Where SSJID's Water Comes From for Farmers

All water is a part of, and comes from, the water cycle. But what part of the water cycle your water comes from depends on where you live and in some cases, what you are using it for. In our area, most cities get their water from the ground. While farmers also use groundwater, many in SSJID's territory also get water from dams, rivers, and canals. **Irrigation means to water crops.** For SSJID, the water we supply to farmers comes mainly from New Melones, Tulloch and Woodward Reservoirs, via the Middle Fork of the Stanislaus River. A **reservoir** is a man made lake created by building a dam on a river. A **dam** is a big wall of concrete or dirt built on a river. Dams help **prevent flooding** further down the river and also **store water**. Near where we live, it snows in the winter and early spring. The farmers in our area grow most of their crops in the summer when it doesn't rain. By storing the water from the rain in the winter and from the snow melting in the spring, we have water to send to farmers in the summer when it's dry and they need to water their plants. The plants farmers grow and the animals they raise give us the food and fiber we need to live.

