

Properties of Water Notes

Water Review

Water is essential for _____ things to grow, reproduce, and carry out important processes.

About _____ of Earth's water is salt water found in the ocean, while the other _____ is fresh water, with _____ found in huge masses of _____ near Earth's poles.

A water _____ (H_2O) is made of _____ atoms, _____ hydrogen and _____ oxygen

This gives water _____ to do weird things.

Water is Polar

The _____ atom "behaves" more _____

The _____ atoms "behave" more _____

The _____ atom is slightly more _____ causing the molecule to be polar

Polarity _____ there is an _____ distribution of electron _____

This polarity _____ water to have special _____

Water Characteristics

Usually _____ and _____ substances do not mix, but _____ is _____

It is called the "_____ " because its bipolar molecule enables it to _____ a wide variety of substances.

Water can _____ into all states of matter (_____, _____, _____) within Earth's temperature range.

Water can _____ to other objects just like the water _____ on the pine needles or a spider web

Adhesion allows water to _____ to other _____

Water Characteristics

_____ action is a characteristic that allows water to defy gravity and move _____. Water moves _____ materials with _____ or narrow spaces (ex. water traveling up _____ to leaves)

Cohesion allows _____ molecules to _____ to other _____ molecules.

Cohesion makes a surface _____ on water allowing bugs to _____ on water.

This is called _____.

The _____ of most substances increases when a liquid becomes a solid.

_____ water is actually _____ dense than _____ water. It is for this reason that _____ floats

The _____ of water makes ice _____ dense than liquid water.

Video Questions

What happens to water when we try to walk on it?

Explain the difference between cohesion and adhesion.

Why do lakes freeze from the top down?

Why is water so special?