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# The Meaning of Water

## ...Cool Stuff to Know About Water

What does water mean to you?

**Water is everywhere.** Stars create water. Water arrived on Earth via comets and asteroids. It's been found on most planets and moons of our solar system. The same water that existed on Earth millions of years ago is still present today.

**Water Scientists**—also called limnologists—explore the biology, chemistry and physics of water, but also the surrounding ecology of the watershed and land use.

**Water has weird properties.** Water expands as a solid, floating on liquid. Water's specific heat helps regulate the Earth's temperature. Water molecules are “sticky” through cohesion and its adhesion to other surfaces creates capillary action that can force water up a tree against gravity.

**Water** covers 75% of the Earth's surface and 75% of the human body.

**Water extremophiles** have adapted to extreme conditions. Tardigrades (water bears or moss piglets) can revive after 100 years after being dried up. They can live in outer space, withstand high radiation or pressures.

**Water and trees** work together to maintain life. Trees are the planet's heat shield, slowing the evaporation of water and cooling the earth. They create rain. Together with water, trees help maintain our climate.



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