

What is Water?

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- The First Property of Water
- Water is an excellent solvent!
- That means that lots of other materials dissolve in water.
- When water dissolves something, it is basically to breaking it up into little pieces and spreading it around. Like salt in salt water or sugar in your blood!

- The Second Property of Water
- Water is an insulator
- This means that it takes a lot of time and energy to change the temperature of water. Have you ever boiled a pot of water and noticed that even though the pot was hot, the water was still cool?
- That means that huge bodies of water can easily stay at just the right temperature for all the things that live in them.

- The Third Property of Water
- Water is denser as a liquid than as a solid. When water freezes, the molecules of water move a little bit away from each other. So, ice expands! If you've ever frozen a bottle of water and noticed that the plastic had popped outward, that's why.
- Why is that important?
- Ice floats in water! So, in the winter only the top layer of a body of water freezes. If the ice sank, then more and more water would keep freezing over time.

lce in Water & lce in Oil

- The Fourth and Fifth Properties of Water
- Adhesion: Water sticks to stuff! Almost anything you dunk under water gets wet, right? Things can get wet because water sticks to their surface.
- Cohesion: Water sticks to itself! Have you ever seen two drops of water run into each other and turn into one big drop? Or have you noticed that you can fill a glass with water, even a little over the rim? That's because water is cohesive; water always wants to stay to the water next to it. It wants to stick to itself so much that it can even defy gravity a little bit.

The Magical Leak Proof Bag

Stations

- How Do Penguins Stay Dry?
- How Many Drops of Water Can You Fit on a Penny?
- Ocean Waves: Water Solvent Art
- Coloring!