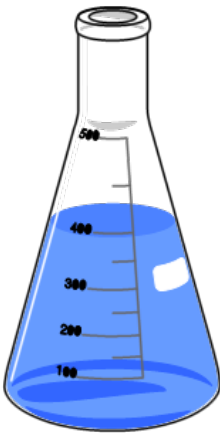


**How much of the
human body is
water?**

Sep 8 - 11:12 AM

**Water heats more slowly
and retains heat longer
than many other
substances.**



Sep 8 - 11:19 AM

How do humans lose heat?

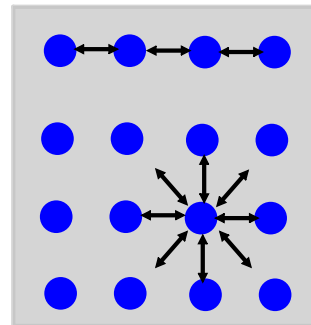
Sweat

How do some animals lose heat?

pant-

Sep 8 - 11:20 AM

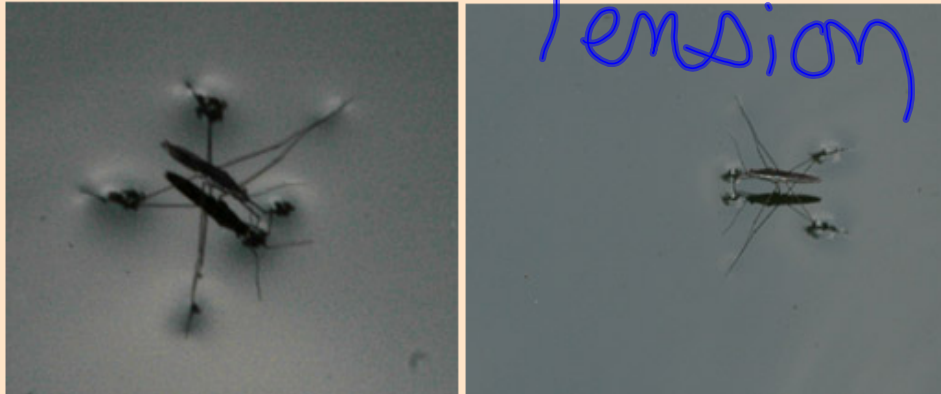
**Cohesion- attraction
between substances of
the same kind**



Sep 8 - 12:49 PM

Surface

Tension



Surface Tension



<http://hyperphysics.phy-astr.gsu.edu/hbase/surten.html>



Sep 8-10:27 AM



Coleman - 7 x 5 Sundome Tent- Coleman, the greatest name in camping gear

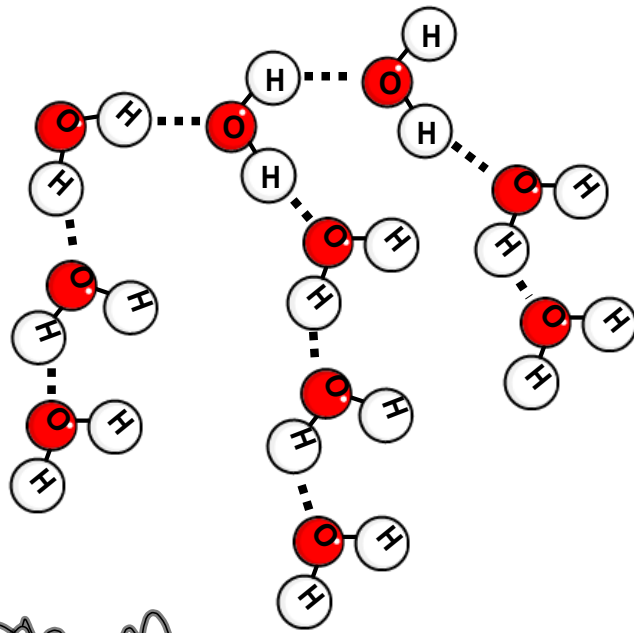


Sep 8-10:29 AM

This is cohesion.

What type of bond is holding this together?

Hydrogen



Sep 8 - 12:51 PM

Adhesion- an attraction between different substances.

**Example:
water in a
straw**

Sep 8 - 3:53 PM

Solution- a mixture in which one or more substances are evenly distributed in another substance



Sep 8 - 3:58 PM

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Changes of State

Sim Objective: Understand how a change of state happens in a solid, liquid or gas, in terms of energy and particle movement.

You are presented with a thermometer, a beaker of water and a particle window.

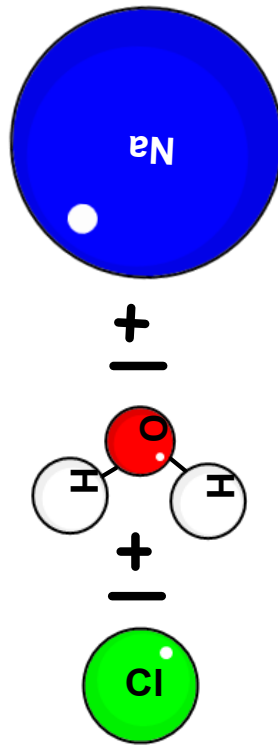
Increase or decrease the temperature of the water by dragging the arrow beside the thermometer, either up or down.

The changes in the water's state will appear in the particle window.

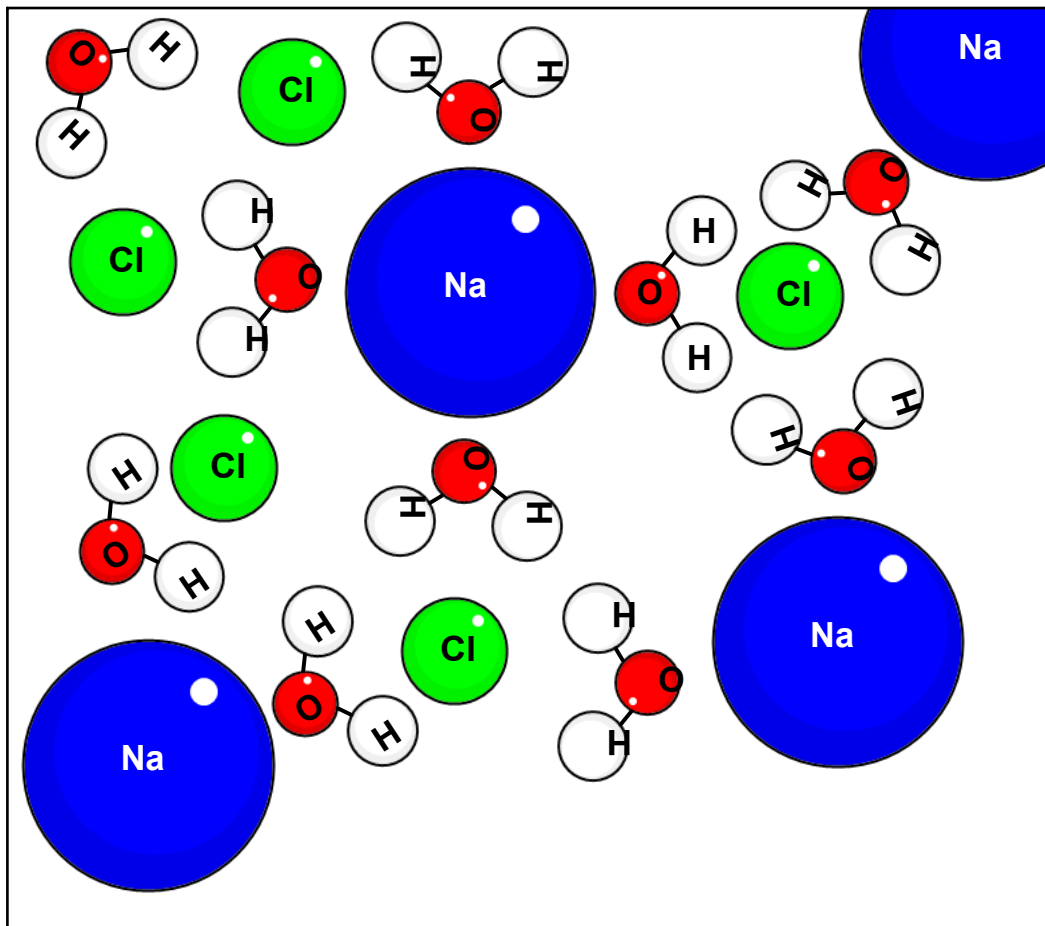
SMART Technologies Inc. Supporting Education **intel**

Sep 8 - 4:00 PM

**Ionic
compounds
and polar
compounds
dissolve best in
water.**

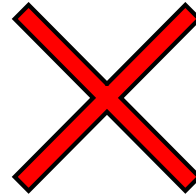
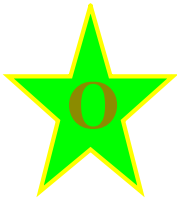


Sep 8 - 4:00 PM

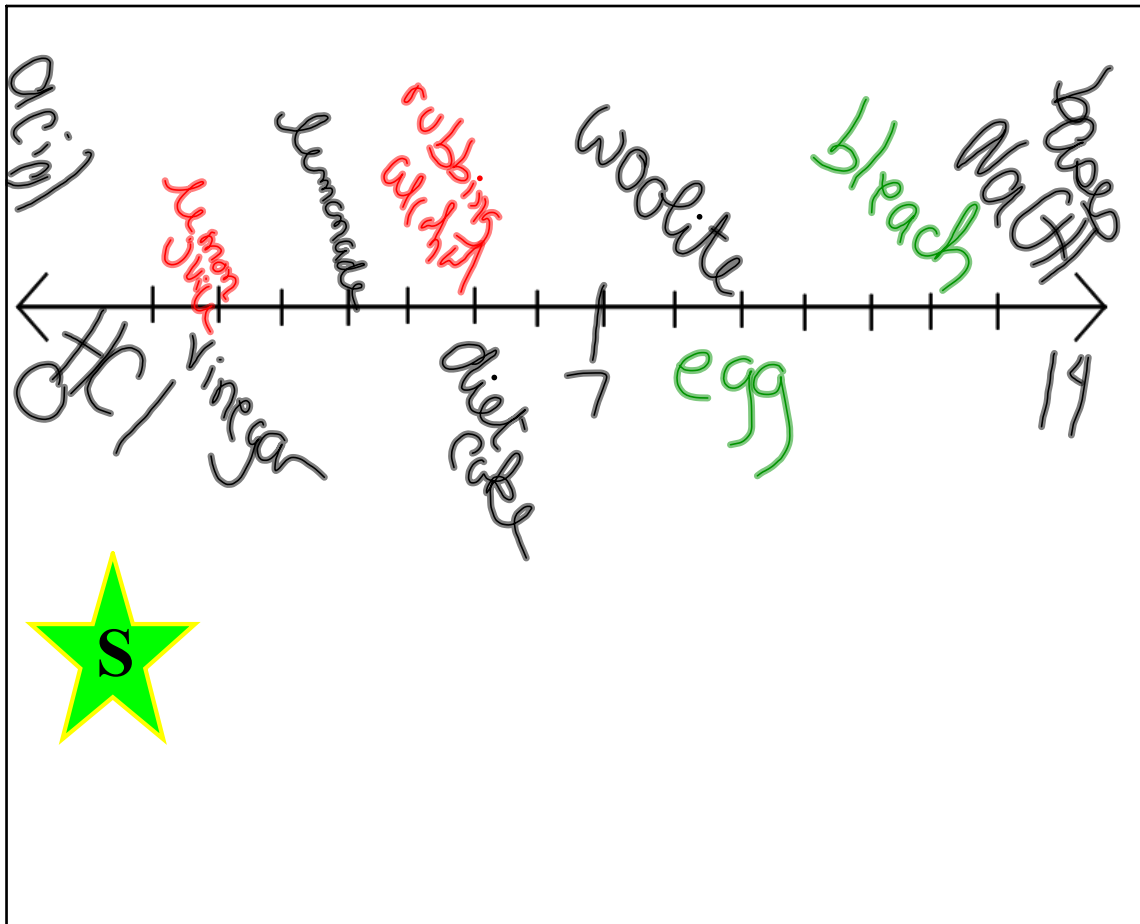


Sep 8 - 4:04 PM

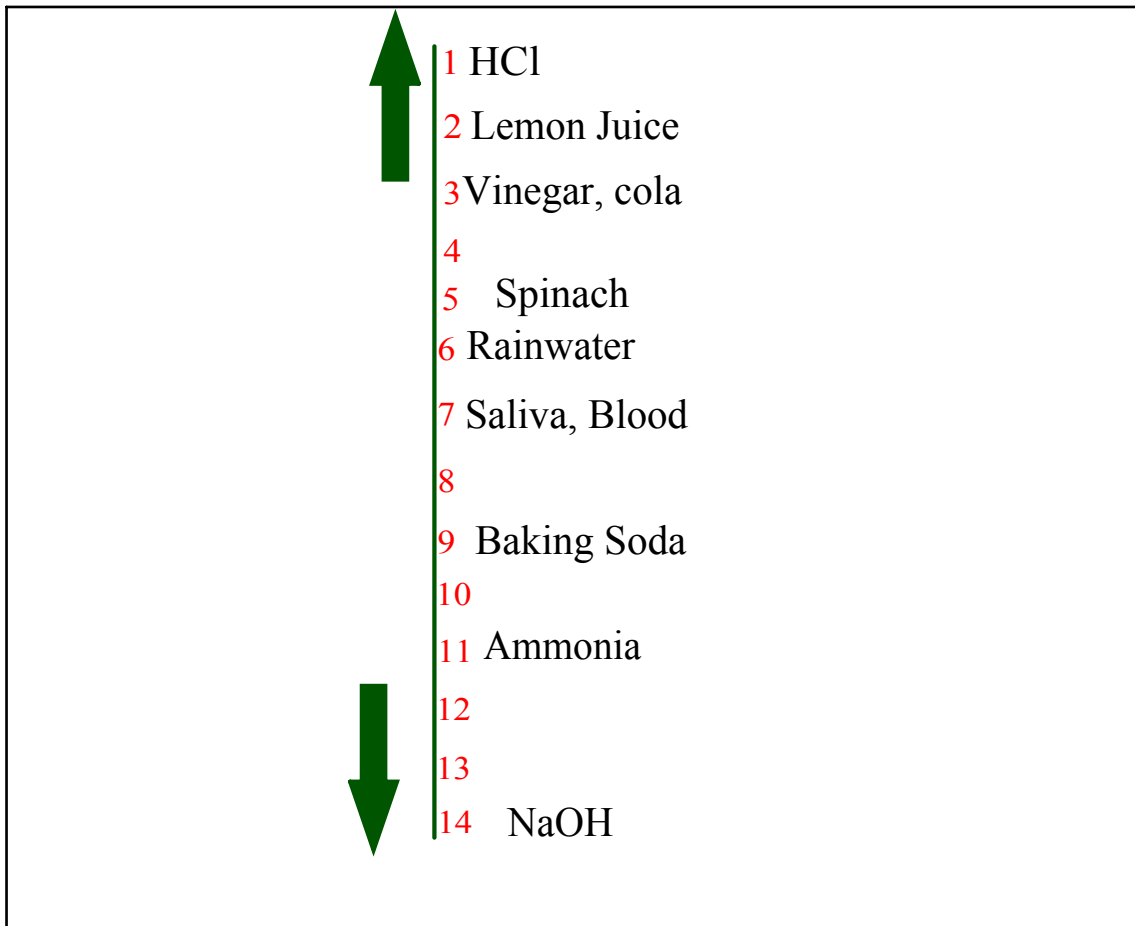
**Non-polar
substances do
not dissolve
well in water.**



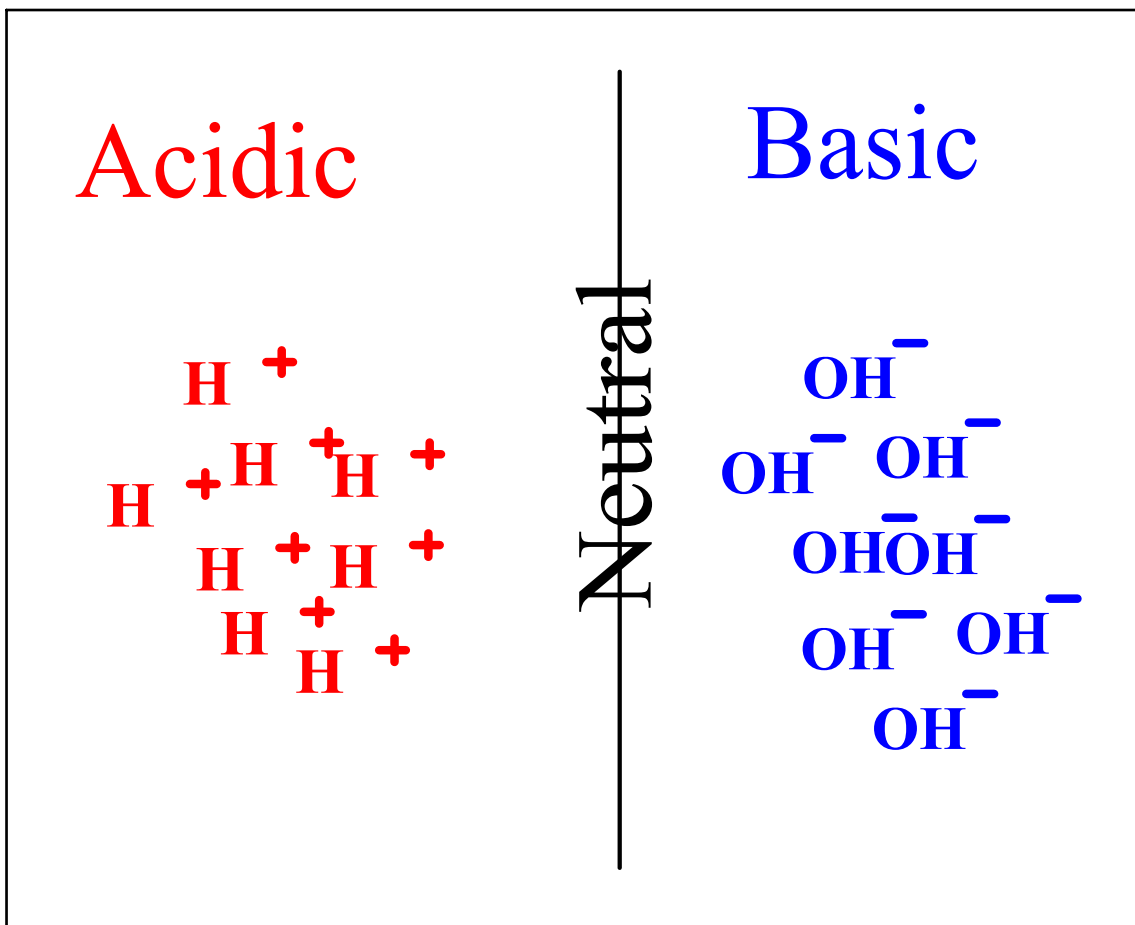
Sep 8 - 4:07 PM



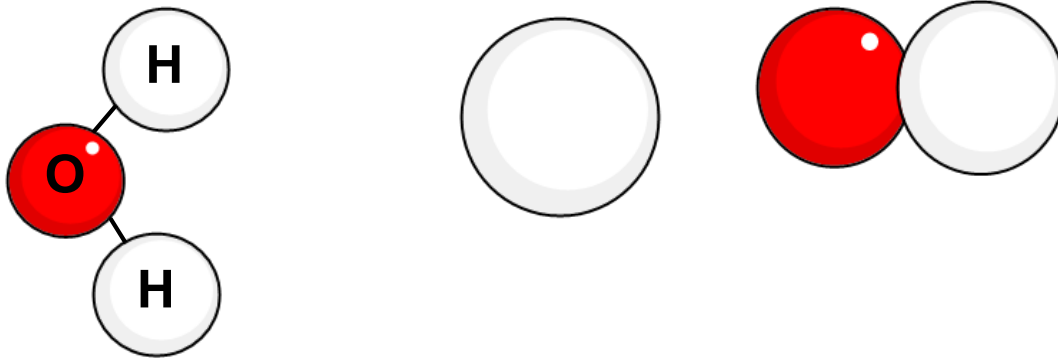
Sep 8 - 4:18 PM



Sep 8 - 4:31 PM

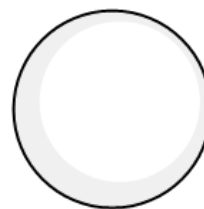


Sep 8 - 4:19 PM



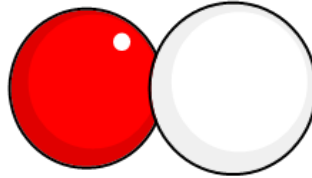
Sep 8 - 4:10 PM

**Acids-
compounds
that form
hydrogen ions
when dissolved
in water**



Sep 8 - 4:15 PM

**Bases-
compounds
that reduce the
concentration
of hydrogen
ions**



*or
form hydroxide
ions*