**2.2 Note-Taking Guide: Properties of Water (Keep me in your student folder please)**

* Cool Stats
	+ The first \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ evolved in water!
	+ All living things are about \_\_\_\_\_\_\_\_\_\_\_\_\_\_ % water!
* Water has two special properties caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ bonding
	+ **Cohesion**
	+ **Adhesion**

**Hydrogen Bonding:** The hydrogen in H2O has a slightly positive charge and likes to stick to other stuff that’s slightly negative like the oxygen in H2O. This creates a weak attraction like when two weak magnets are held near each other.



* **Cohesion** – Water sticks to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	+ This gives water a high **surface tension**, meaning that really light stuff like bugs can walk on water when they spread out their weight.



* **Adhesion** – Water sticks to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stuff.
	+ This allows plants to take up water from their roots in a process called **capillary action**



