1 | Alright, let's talk about water.

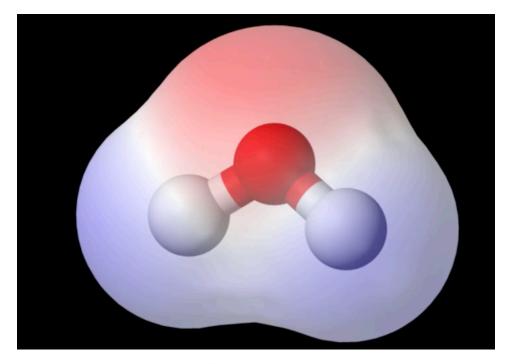


Figure 1: Watah!

Intra-Molecular water bonds

- As we know (or looked up from the PTable)
- Hydrogen has electronegativity of 2.20, and oxygen has EN 3.44
- The difference >0.4 <1.7 makes these bonds polar covalent

Inter-Molecular water bonds properties

The hydrogens form "hydrogen tetrohedron" structure, making the following properties:

- · "Sticky"
 - Cohesion individual molecules held up well
 - Strong surface tension
 - Adhesion other molecules stick to water pretty well
 - · Water is WET!!!
 - · Strong tetrahedral H-Bonds
- · These bonds make water have a high specific heat capacity.
 - Strong bonds
 - · Resistant to change

Universal Solvent Properties

Water has high solubility

- · Many things could dissolve in water
- Makes chemical processes quite easily
- Quite versatile could dissolve stuff easily

2 | So, why is water the chosen liquid?

- · Liquid at Earth temperatures
- Sticky => strong bonds that help water hold together + resist change in temperature (hence why AlcaholLand cannot exist)
- · Is universal solvent