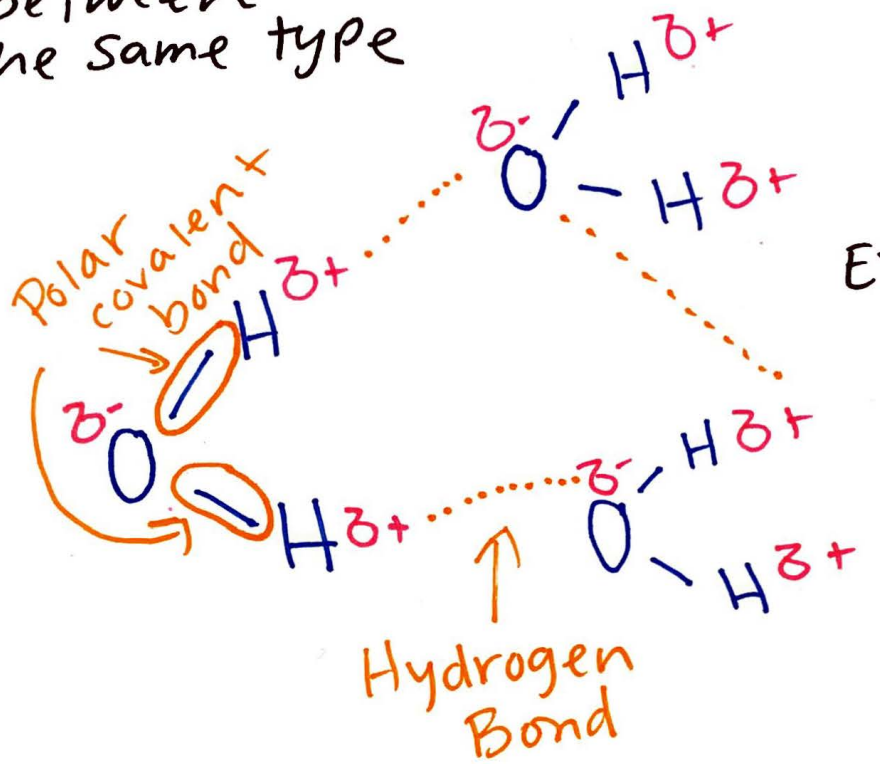
Water + Polar Covalent Bond Notes

Cohesion

attractive force between molecules of the same type

$H_2O \cdots H_2O$

H_2O



- Polar molecules, like H_2O, are attracted to other Polar molecules

Ex: H_2O attracted to other H_2O

$H_2O \cdots H_2O$

Ex: H_2O attracted to paper towels (cellulose) Polar

Adhesion

attractive force between molecules of a different type

Ex: water + cellulose

Surface Tension

Caused by hydrogen bonds on the surface of water

- Polar molecules are not attracted to non-Polar molecules

Ex: water + oil (non-Polar)