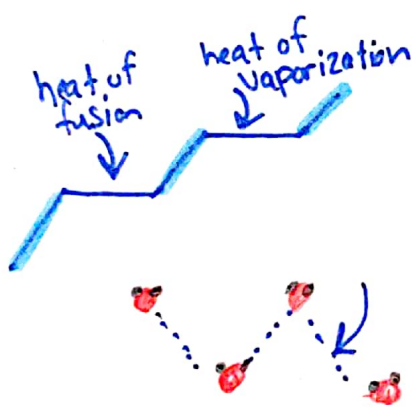


# Part 2

heat capacity - ability to store heat

↳  $H_2O$  heat capacity = high

↳ specific heat → amount of heat (energy) needed to raise temp of 1g of substance

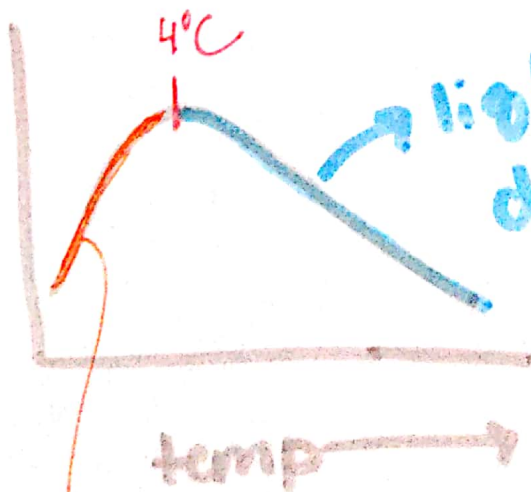


by  $1^\circ C$

→  $H_2O$  4.18 J/g $^\circ C$

→ ethanol 2.1 J/g $^\circ C$

density - "heaviness"  $d = \frac{m}{v}$



↳ liq/gas  $H_2O$   
density ↓ as particles  
spread out

↳ hydrogen bonding "locks" molecules into a fixed position, which is more spread out