

Day 29

nonpolar



polar



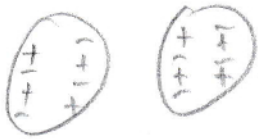
Good Morning!

attracts nonpolar

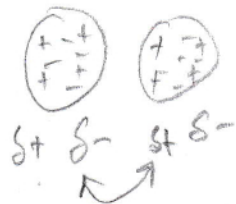
the molecule rotates

polar molecule is attracted

two nonpolar

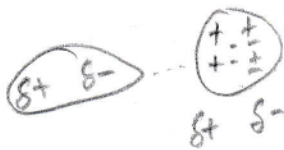


instantaneous dipole



⇒ very weak attraction

polar-nonpolar



Stronger attraction

polar-polar



Strongest attraction

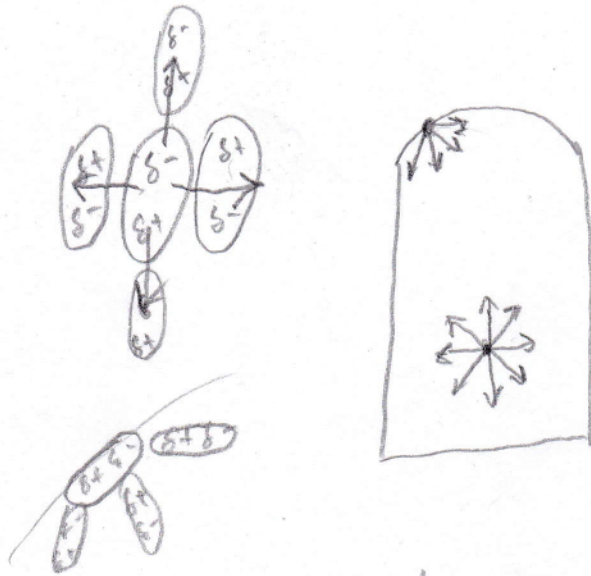
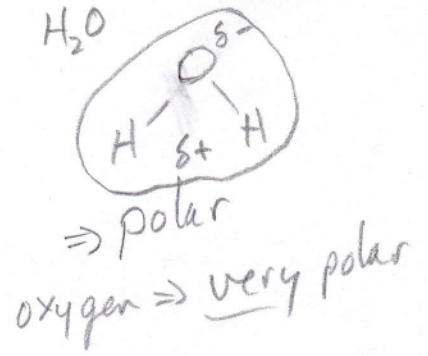
interactions between molecules are called

intermolecular forces

2



Why does the water go over the top?
- water is very polar



air

N₂, O₂
nonpolar

Dome is due the intermolecular forces between the water molecules.

Surface tension ⇒ intermolecular forces at the surface

boiling



evaporation ⇒
separate molecules

after it boils
⇒ new energy goes to
separating molecules