

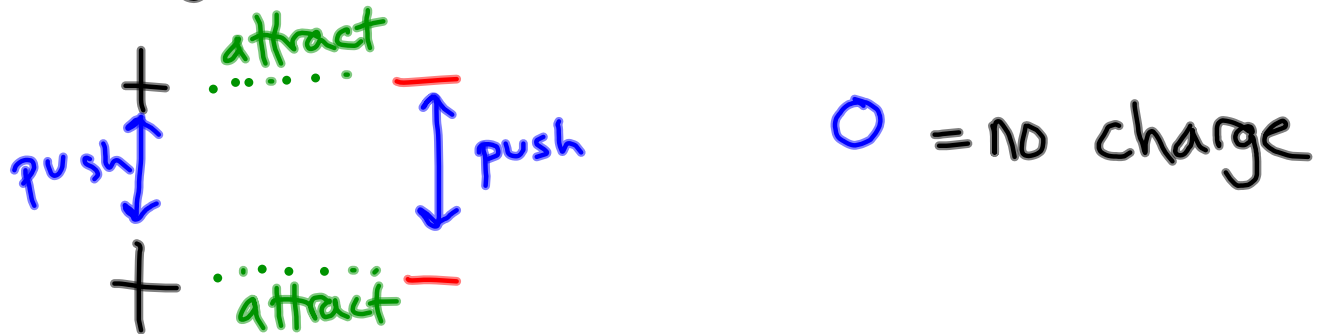
Why did some of the ingredients in  
potion lab mix with some of the liquids,  
but not all?

SOLVENT: A liquid into which something else  
is mixed → water, oil,  
rubbing alc.

SOLUTE: Something that is mixed into  
a solvent → ingredients

SOLUTION: What you get when a solute  
dissolves into a solvent

The main reason some things form solutions and other things don't has to do with electromagnetic fields (charges!)

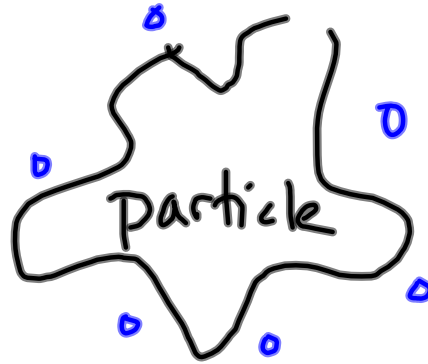


NON-polar: a particle that has no charge

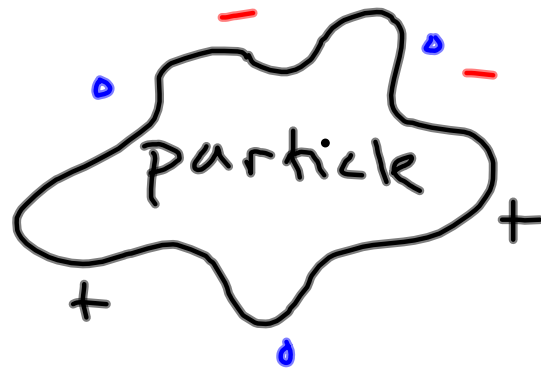
polar: can have a partial charge or several partial charges in different places

ionic: a charged particle (charge is the same all around the particle)

non-polar:



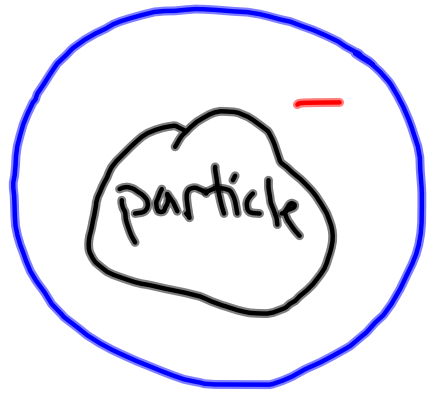
polar:



ion:  
ionic



or



Oil: non-polar

↓  
Won't dissolve polar/ionic  
Will dissolve non-polar

Water: polar +

↓  
will dissolve polar or ionic solutes  
will not dissolve non-polar

