

water/
rubbing alcohol
(polar solvents)

— WILL dissolve polar
or ionic
WON'T dissolve non-polar

oil (non-polar solvent) — WILL dissolve non-polar
WON'T Dissolve polar/ionic

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- did it dissolve in water? If YES it was polar or ionic
 - did it dissolve in oil? If YES it was non-polar

Chemical reactions:

Transformations of the molecules that make up substances

FIRE is a chemical reaction that occurs when a substance combines rapidly with oxygen - as a result of the transformation, light & energy are released

When working with fire and/or chemicals, safety is the top concern

Safety

- ① Be calm & careful 100% of the time
- ② Wear safety glasses
- ③ Lab area should be clear except for data sheets, pencils, lab equipment (no chairs! etc.)
- ④ Do what I say! (No arguments)
- ⑤ Chemicals should not touch any part of your body
- ⑥ Any emergencies - let me know

Sodium Chloride	NaCl
Potassium Chloride	KCl
Calcium Chloride	CaCl
Barium Chloride	BaCl
Cobalt Chloride	CoCl
Copper Chloride	CuCl