water/
rubbing alcohol (polar solvents) – WILL dissolve polar or ionic

WON'T dissolve non-polar

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oil (non-polar solvent) – WILL dissolve non-polar

WON'T Dissolve polar/ionic

- 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	$CuCl$