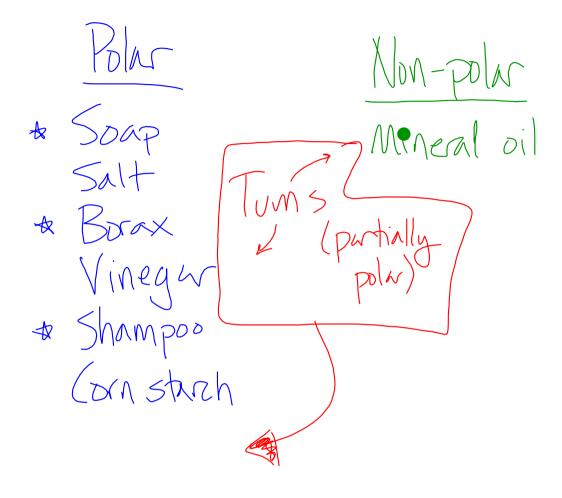
Flame Test.notebook November 09, 2016



How does our understanding of polar & NON-polar substances help us understand why we don't collapse into blobs of gou?
Our bodies take advantage of chemistry to make sure that things that would MIX we kept separate · Our cells are packaged so that the polar cell contents are surrounded by a non-polar container · Bones are made of a substance Similar to Tums - they don't mix well with anything

How are organisms assembled into parts
that don't dissolve into one another?

CHEMICAL REACTIONS.

Molecules inside of our body react with raw materials to create

- >> Polar substances
- -> Non-polar substance -> Materials that are strongly attached

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Today we're going to look at six chemical

· Sodium chloride (NaCl) + O2 > Fire +
· Potassium chloride (KCl) + O2 > Fire +
· Calcium chloride ((aCl) + O2 > Fire +
· Barium chloride (BaCl) + O2 > Fire +
· Cotalt chloride ((oCl) + O2 > Fire +
· Copper chloride ((oCl) + O2 > Fire +

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Safety:

· Everyone wews goggles & aprons

· Follow Mstructions - te safe

· Keep the Memicals contained

· Let Bregar clean up spills

. Be respectful of fire/hot materials or tools

Instructions:

· Work in groups of 4 - all should write down observations
· Wet the wire loop & wash away residue
· Dip wire into container & coat with chemical
· Put loop into bunsen burner
· Observe: COLOR, sparking, smell, misc.
· Quickly clean & cool wire in naming water

Rinse, brush, à dry loops à place on

· Cap chemicals & place on cut

· Wipe tables thoroughly with wet paper tourels

· Clean Sinks with paper towels A. Wash hands arms with soap & water

. Goggles & aprons rently put away &

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Last sto:

Find (online) & write the complete chemical reaction for each test.

$$2N_{A}CI + 3D_{2} \rightarrow 2N_{A}CID_{3}$$