

Why don't we collapse into blobs of goo?

Mixture: two substances put together

Solution: a mixture where the substances dissolve & spread out evenly

Solvent: the substance that does the dissolving

Solute: the substance that gets dissolved

We can categorize atoms & molecules as:

ex. water

POLAR

mix together

— there are areas with extra electrons & areas of not enough electrons
⊖ charge
⊕ charge

ex. oil

NON-POLAR

mix together

— the electrons are spread out so there no extras or lack of's
○ charge

ex. rubbing alcohol

PARTIALLY POLAR

mix with both polar & non-polar

— Some ⊖ or ⊕ charged areas and some ○ charged areas

Your task:

Using your data from mixtures lab,
identifying all substances as likely to be

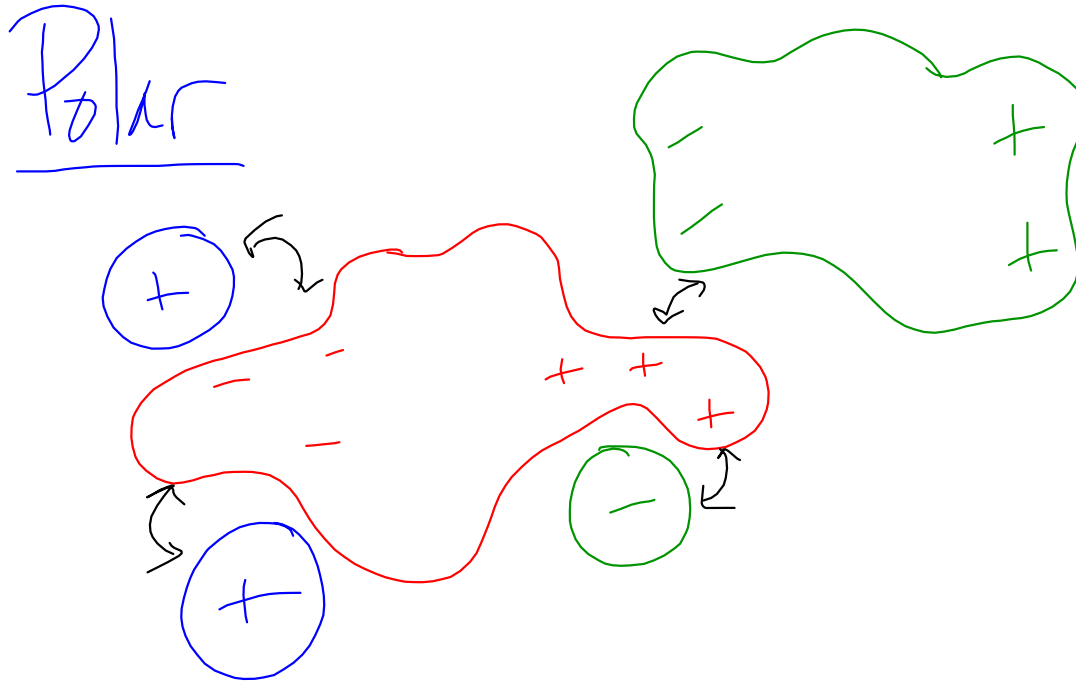
- polar

- non-polar

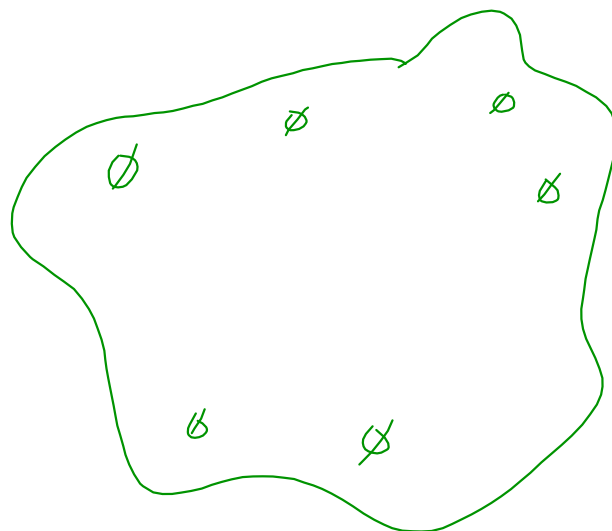
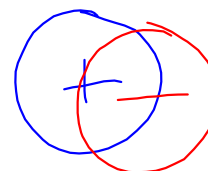
- partially polar

§ explain briefly how you know

LOOK AT WHAT
IT MIXED WELL
WITH!



Non-polar



Partially polar

