

Day 5, Unit 6, January 29, 2016

Purpose:

Describe the evidence that distinguishes ionic from molecular or atomic solids.

1) Aqueous Solution -- water that contains a solid that has broken apart into particles too small to see

microscopic view:



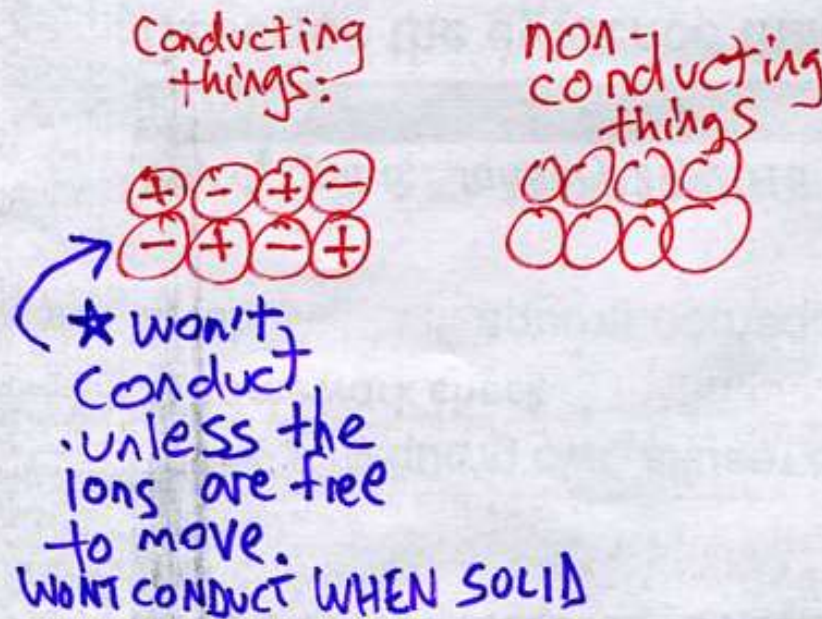
2) Electrolyte – an aqueous solution that conducts electricity

3) To be an electrolyte a substance must (a) dissolve into tiny particles in water and (b) the particles must be positive particles AND negative particles.

Microscopic view:

4) what do our solids from the lab look like?

microscopic view



IONIC SOLIDS dissolve to form + and - particles, in water

MOLECULAR SOLIDS dissolve to form neutral particles in water