

# Unit 6 Study Guide

## TOPIC 1: REVIEW

aq (aqueous) - dissolved in water

Solution: Homogenous mixture; solutes dissolved in solvents

Solute: Dissolved particles in a solution (i.e. NaCl)

Solvent: The dissolved medium in a solution



Saturated: Solution containing max amount of solute for a given amount of solvent at a constant temperature and pressure

## TOPIC 2: SOLUBILITY

- Water molecule has  $\ominus$  and  $\oplus$  end
- negative attached to cation
- positive attached to anion



Ion solution: water surrounding ions

- When certain IONIC COMPOUNDS (compounds w/ 1+ atoms) are added to water, they will break apart / DISSOCIATE



Solubility rules:

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