

SALTS

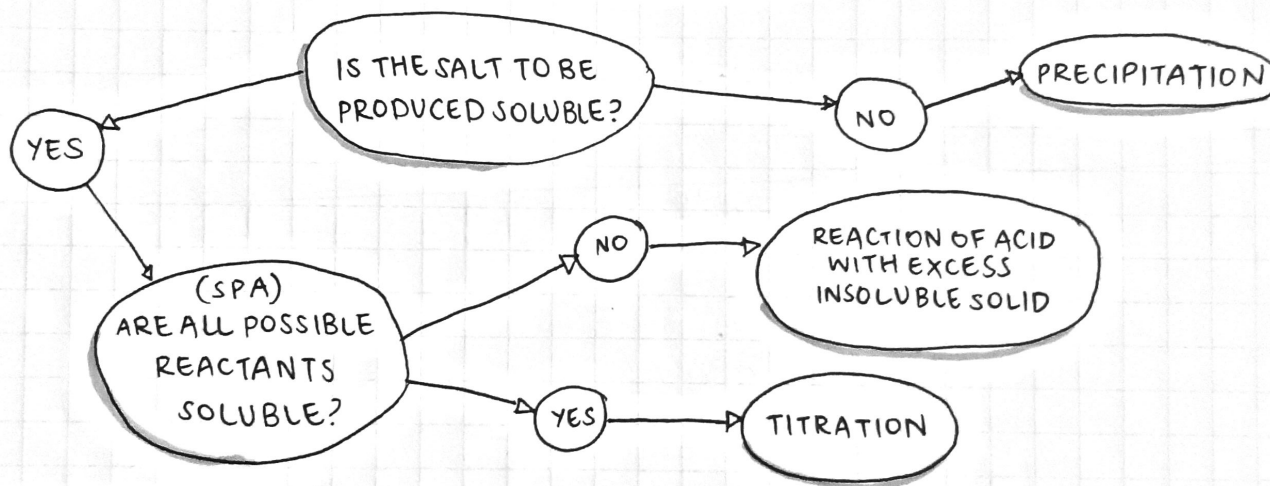
FORMING SALTS

- hydrochloric acid produces chloride salt
- sulfuric acid produces sulfate salt
- nitric acid produces nitrate salt

RULES OF SOLUBILITY ★

- salts of sodium, nitrate, ammonium, potassium (SNAP) are soluble
- chlorides all soluble except silver and lead
- sulfates all soluble except silver, lead, calcium, barium (SSLCB)
- hydroxides all insoluble except sodium, potassium, ammonium (SPA)
- carbonates all insoluble except sodium, potassium, ammonium (SPA)

PREPARATION OF SALTS



PRECIPITATION - insoluble salt

- mixing 2 aqueous solutions, one containing the cation of the salt and the other containing the anion then separated through filtration and with distilled water

reagent 1: _____ chloride (aq) eg. sodium chloride
reagent 2: sodium _____ (aq)

- add aqueous _____ to aqueous _____ and stir
- insoluble _____ is the precipitate formed
- filter to obtain residue
- wash under distilled water and dry between sheets of filter paper

