



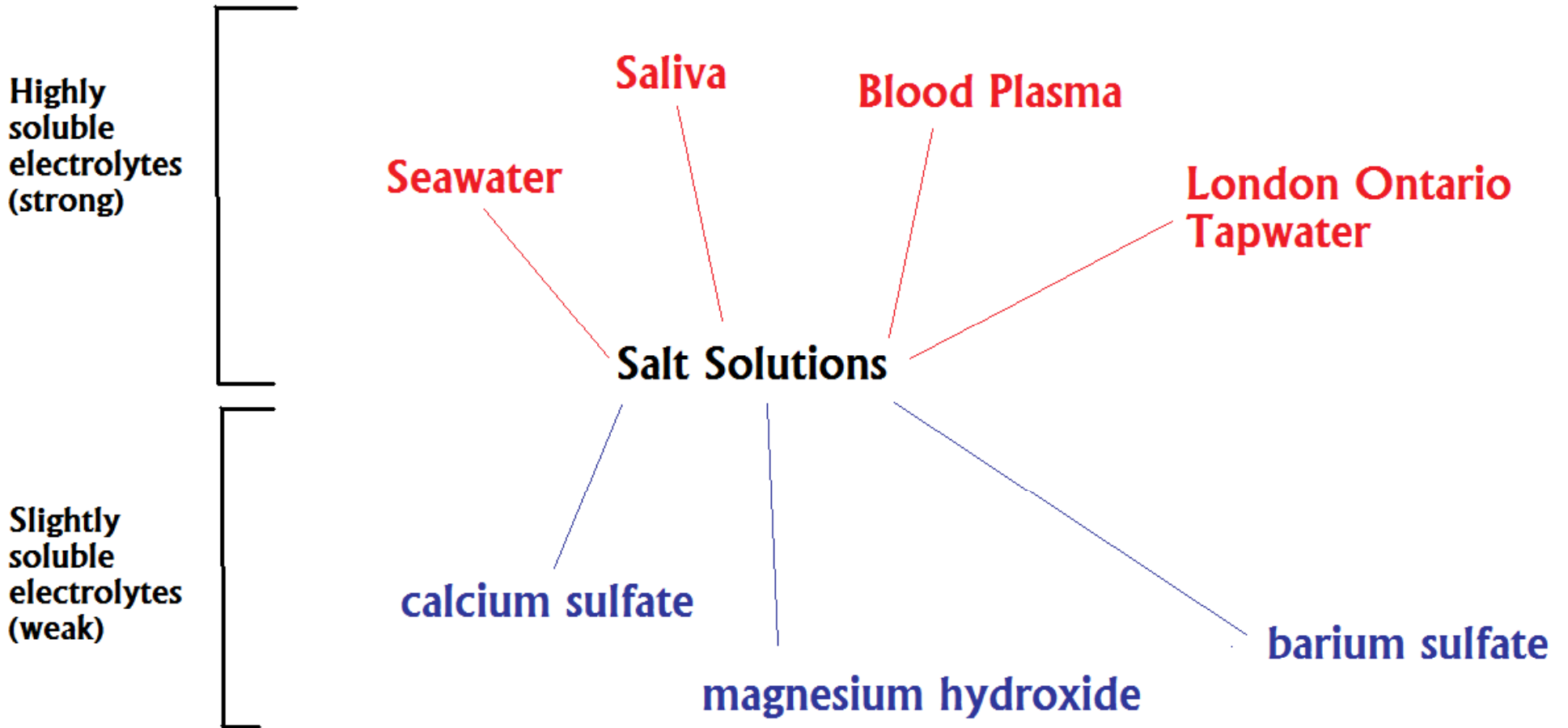
The Solubility Product Constant

SCH 4U1

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Weak electrolyte: salts with relatively low solubility



Salt: The word salt refers not only to table salt but any ionic compound (except for the hydroxides which are bases).

Substances that dissolve readily at room temperature in a solvent are said to be **soluble**.

Solubility is defined as the maximum amount of a solute that will dissolve in a given amount of solvent at a given room temperature.



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In grade 11 Chem, you learned about **solubility**.
i.e. Experiments to figure out how much solute would dissolve in a solvent. –using solutes with high solubility you could add a visible amount of solute and make it dissolve forming an unsaturated solution.

When you could dissolve no more solute, you had prepared a saturated solution. =dynamic equilibrium between undissolved solute and dissolved solute.



- The lesson from here moves to the whiteboard.