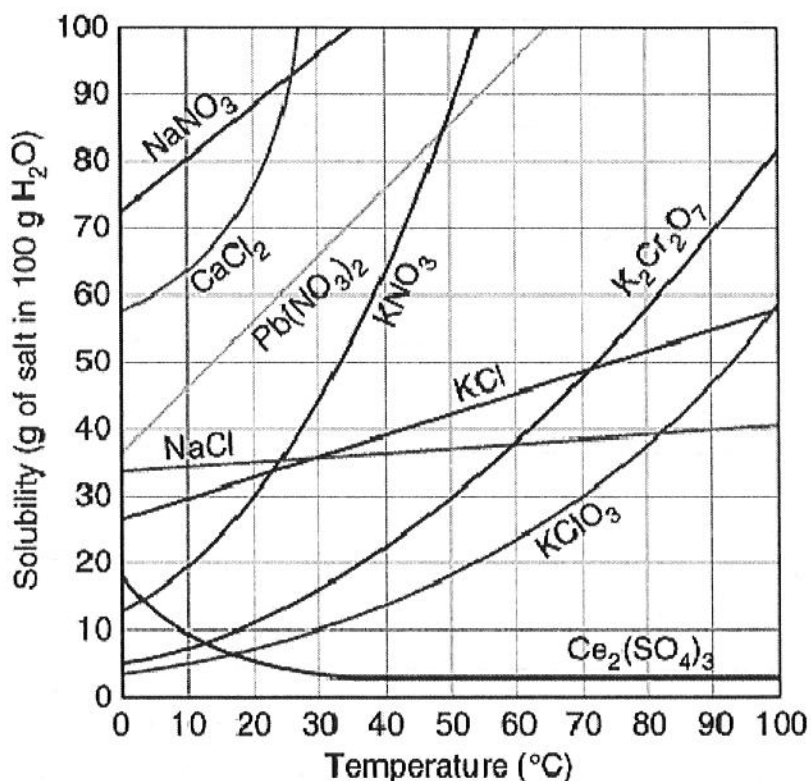


Solubility Charts

Solubility

- the quantity of a particular substance that can dissolve in a particular solvent (yielding a saturated solution) at a given temperature
<http://wordnetweb.princeton.edu/perl/webwn?s=solubility>
- usually measured in g of solute per 100 g of water

In chemistry, a **solution** is a homogeneous mixture composed of only one phase. In such a mixture, a solute (the lesser amount) is a substance dissolved in another substance, known as a solvent (the greater amount). The solvent does the dissolving.



- 1) What is the solubility of sodium nitrate at 20 °C? _____
- 2) What is the solubility of potassium chlorate at 20 °C? _____
- 3) How many grams of solute would "drop out of" solution if a potassium chloride solution were cooled from 90 °C to 10 °C? _____

All of the solutions on the solubility chart are of salts.

Salts, metal to non-metal compounds, not only dissolve in water but dissociate, as well.

Write the dissociation equations for each salt on the chart.



Salt	Dissociation Equation
Sodium nitrate	
Calcium chloride	
Lead (2) nitrate	
Sodium chloride	
Potassium nitrate	
Potassium dichromate	
Potassium chlorate	
Cesium sulfate	