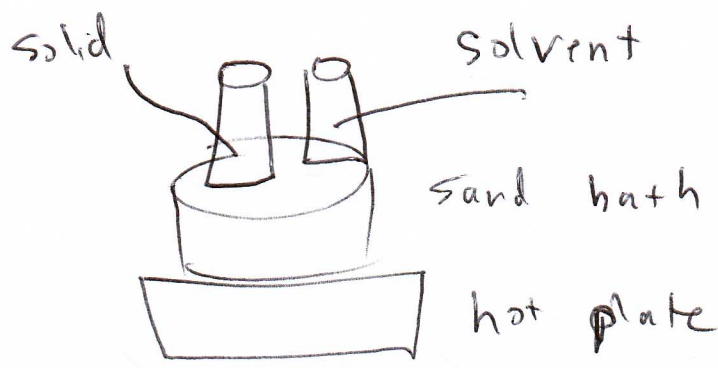


Recrystallization

Ideal solvent - A solvent in which the solute has effectively zero solubility at or just below RT, and nearly infinite solubility near the boiling point of the solvent.

- In reality, the solute will have non-zero solubility at RT, so the minimum possible quantity of solvent should be used.



- Small quantities of solvent should be transferred one at a time to the target solid. If the solid dissolves, enough solvent has been

added. If it does not dissolve, repeat until it does, *Watch out for immiscible layers (melted but undissolved solid is present)

- After dissolving the solid, allow to cool first to room temperature, then place the container in an ice bath. Collect the crystals on a Hirsch funnel, then wash with a small portion of cold solvent.