Freezing Point

F. Point: is the temperature at which a substance becomes a solid.

The freezing point of an object can be found by using a thermometer when the substance is in the solid and liquid phase (melting ice).

Once the temperature stops dropping that is the freezing point.

Freezing point depression: is a drop in temperature due to a solid dissolved in a melting substance.

Example: Salt mixed with ice.

Water Crystals

Salt Crystal

The Cubic (square) salt crystal wedges itself between the two hexogon ice crystals.