



Snowflakes  
and  
Symmetry

Math 181

Types of Snow

Simple Prisms

Hollow Columns

Stellar Plates

Stellar Dendrites

Fernlike Stellar  
Dendrites

Artificial Snow

Snow Crystals

# Snowflakes and Symmetry

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Pictures from:

<http://www.its.caltech.edu/~atomic/snowcrystals/class/class.htm>

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# The Most Common Types of Snow


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 Simple Prisms	 Solid Columns	 Sheaths	 Scrolls on Plates	 Triangular Forms
 Hexagonal Plates	 Hollow Columns	 Cups	 Columns on Plates	 12-branched Stars
 Stellar Plates	 Bullet Rosettes	 Capped Columns	 Split Plates & Stars	 Radiating Plates
 Sectored Plates	 Isolated Bullets	 Multiply Capped Columns	 Skeletal Forms	 Radiating Dendrites
 Simple Stars	 Simple Needles	 Capped Bullets	 Twin Columns	 Irregulars
 Stellar Dendrites	 Needle Clusters	 Double Plates	 Arrowhead Twins	 Rimed
 Fernlike Stellar Dendrites	 Crossed Needles	 Hollow Plates	 Crossed Plates	 Graupel

Types of Snowflakes ... [SnowCrystals.com](http://SnowCrystals.com)



# Simple Prisms

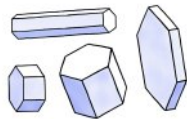
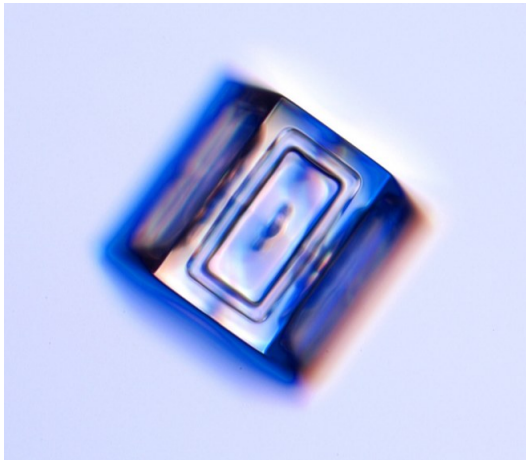
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# Hollow Columns

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**Hollow Columns**

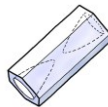
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# Stellar Plates

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**Stellar Plates**

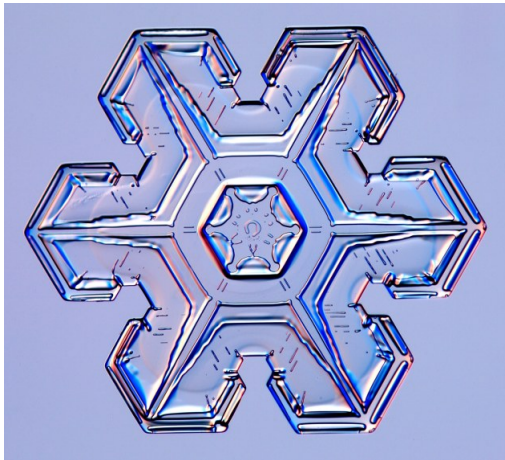
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# Stellar Dendrites

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# Fernlike Stellar Dendrites

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# Artificial Snow

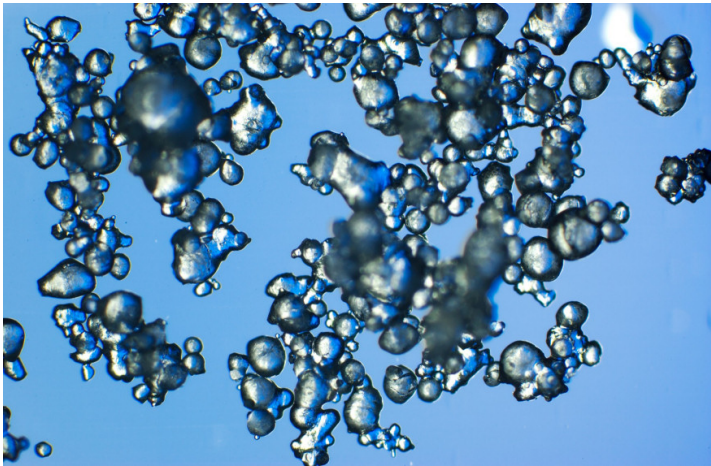
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# Snow Crystals in Different Conditions

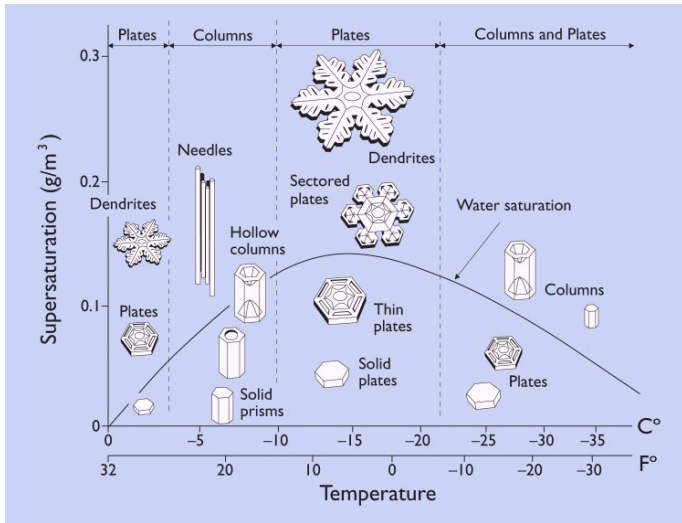
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Thank you for listening!