

Snow guaranteed for Turin Olympics

Unpredictable Alpine weather has prompted Olympic organisers to install 10 state-of-the-art snowmaking facilities to ensure perfect pistes

SNOW CANNON: Dependent on temperature, humidity and wind conditions

Atomisation: High-pressure cold water released as fine droplets

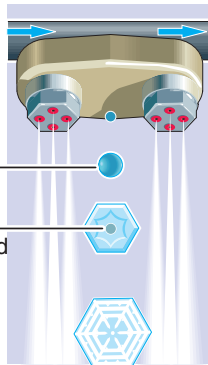
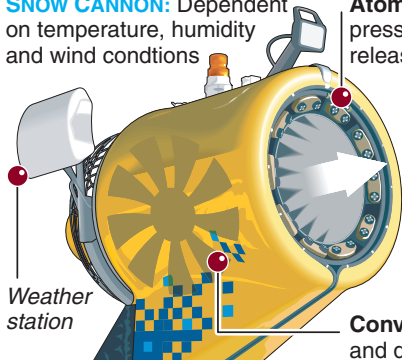
Evaporation

Droplets cool and expand with change in pressure

Nucleation

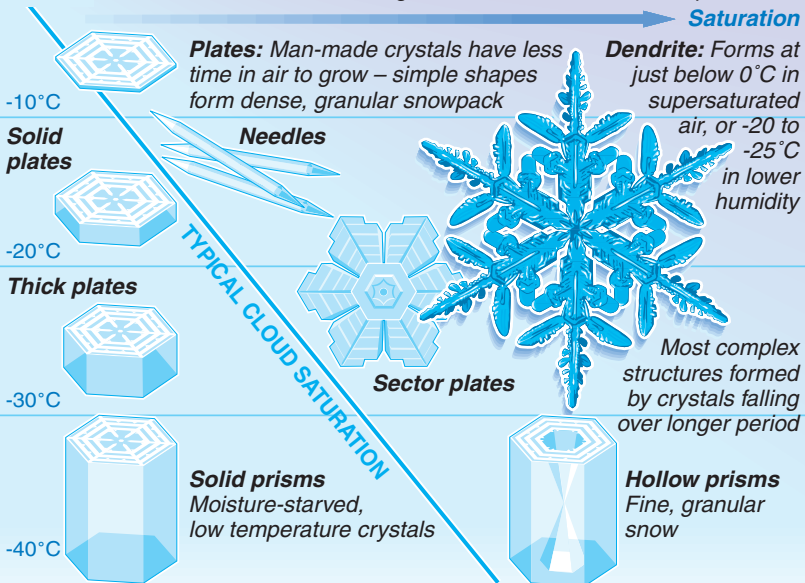
Particles introduced around which droplets crystallize

Convection: Fan cools and disperses crystals



NATURAL SNOW: Form varies according to moisture content and temperature

Saturation



Natural powder snow forms in low humidity – extreme cold preserves crystal structure to retain light, fluffy texture