

Jocelyn Petersen
Crystals

The purpose of this project was to find out what type of temperature grows the biggest crystals. The experiment involved taking the temperature of three conditions: Room Temperature, Refrigerator, and an Ice Bowl, and maintaining that temperature; I also compared the size and shape of crystals grown in three different temperature conditions: room temperature, in the refrigerator, and in an ice bowl. This was done by checking on each of the crystals, and taking the temperature and checking that the temperature was the same each time; one was 72°, 40°, and 34° and taking pictures to compare them to each other.

The temperatures that I recorded in my results confirmed that 72° temperature grows the biggest crystals, but it takes the longest to grow the crystals. The 34° temperature grows the fastest, but not the biggest crystals, and the refrigerator crystals grew big, but not as big as the 72° temperature. These findings led me to believe that where we find the big crystals it isn't very cold or very warm, it's room temperature. I think that each time geologists find huge crystals they should take into account what the air feels like and what temperature it is. This experiment also tells me that the best crystals are the larger crystals.

I discovered that the sizes of crystals make better crystals, and that better crystals are the larger crystals. I also found that making crystals with warmer air will grow bigger crystals.