



Science Fair Projects

Pre-K to 2nd Grade

Water (freezing point)

Purpose

Water turns into a solid at a temperature of 32°F. This is called the freezing point. Does all water freeze at 32°F? Let's find out.

Materials

2 small paper cups, 4 teaspoons of salt, water, marking pen, and freezer.

Experiment

Fill both cups with water. Mix 4 teaspoons of salt in one of the cups. Write "salt" on that cup. Put both cups in the freezer. Check on them every hour for four hours.

I found out...

The cup with plain water _____.

The cup of salt water _____.

Results: When the temperature of water gets very cold, the particles of water hook together to make ice crystals. Salt gets in the way of this process, and an even lower temperature is needed before ice crystals will form.

This project is from Daryl Vriesenga's book, *Science Fair Projects, Grades 1-3*, Michigan, Schaffer Publications, 1992. The Guide is available on line at: SchooDoodle.com