

# Water Maker

**Grade Levels:**

**K-3**

**Question:**

Can you melt ice or snow to make water when the temperature is below freezing?

**Possible Hypotheses:**

Ice or snow can/cannot melt when the temperature is below freezing.

**Materials:**

3 clear bowls - glass or plastic

12 ice cubes

Clear plastic

Black plastic

**Procedure:**

1. Place four ice cubes in each bowl. Leave one bowl uncovered, cover one with clear plastic, and cover one with black plastic.
2. Place the bowls outside on a cold day (below freezing).
3. Check the ice cubes every 15 minutes for an hour and record your observations.
4. Try this experiment on a cold sunny day and on a cold cloudy day.

**Analysis and Conclusion:**

Did any of the ice melt when the temperature was below freezing? Did the amount of sun make a difference? Can you explain your results?

