



NAME: _____

DATE: _____

EXPERIMENT INSPIRED BY

Greenland Beach Day

MELTING ICE

MATERIALS

- ★ Ice cubes
- ★ 6 compartment muffin tin
- ★ Baking soda
- ★ Salt ★ Sugar
- ★ Timer



EXPERIMENT
WOW TO:

Scientists are studying what life was like in Greenland 2 million years ago, by extracting DNA from its permafrost, also known as old, frozen dirt. Make like a scientist and investigate what makes ice melt fastest with this simple experiment.

- 1 Place** Place a handful of ice cubes into 4 of the cups of the muffin tin.
- 2 Add** 3 tablespoons of baking soda to one of the cups, 3 tablespoons of salt to another and 3 tablespoons of sugar to a third cup. Leave the last cup of ice alone this will be your control group.
- 3 Set** a timer to check in on the melting progress of the ice at 30 minutes, 40 minutes, 50 minutes and then finally at the 1-hour mark.
- 4 Record** some observations at each interval. Notice what is happening in Each of the 4 muffin cups?
- 5 Reflect** on what happened to the ice in each cup. What caused the ice to melt the fastest? Which one melted the slowest?