







Experiment: "Melting Glaciers"

Materials (Fig. 1): Two identical glass containers, permanent marker, 8–12 ice cubes, hair dryer or heat gun, string, CD or another plastic tray that fits inside the glass container.

Fig. 1: Materials for the "Melting Glaciers" experiment.

Prepare two identical containers and fill them $\frac{2}{3}$ with water.

Put ice cubes into one of the containers.

In the second container, prepare a platform suspended above the water surface (Fig. 2).

The platform can be made from anything. We used a CD suspended with string.

Place the same amount of ice on the platform as you did into the container with water.

Then have the students mark the water level with the permanent marker.

Fig. 2: Detail of the platform demonstrating land-based glaciers. Ice floating in water will melt significantly faster, even in cooler water it will melt within minutes.

The ice on the platform will melt more slowly and may not fully melt even within an entire lesson.

Fig. 3: Melting ice using a heat gun.