

DANGER

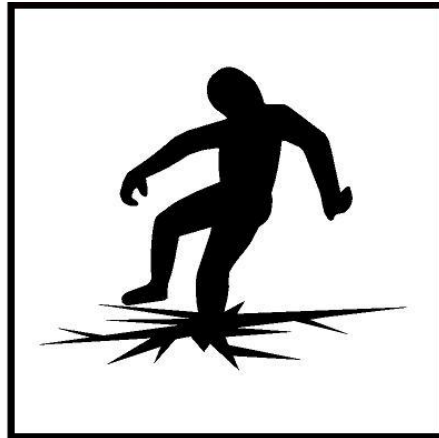
Thin Ice Safety Experiment

Objective:

Demonstrate the physical effects of cold water temperature (ability to move and control the body, reasoning, hypothermia)

Materials:

- Bucket
- Ice
- Water
- Paper towels
- 100 coins (pennies)



Procedure:

1. Place the coins in the bottom of the bucket. Fill the bucket with ice. Add water and fill almost to the top
2. Ask for a student volunteer. Explain that they have 3 minutes to pick out the coins one at a time and place them on the paper towel. Ask for predictions from the class on how many coins the students will be able to remove.
3. Ask the student volunteers to explain how their hand feels after 1, 2 and 3 minutes in the ice water (numbness, stiffness, white colour, lack of muscle control). Ask the students to imagine the results if their entire body were to fall into cold water.