



Looking into Surface Albedo

Student Activity Sheet

DIRECTIONS ► Place the bulb of one thermometer under the light colored snow and ice part of the photo. Place the bulb of the other thermometer under the dark colored land part of the photo. (Make sure both thermometers are facing so that you can read them easily.)

What's your hypothesis?

What do you think will happen to temperature under the ice and the land parts of the photo?

Collect data!

Use the table below to help you collect temperature data.

| Time | Temperature under ice picture | Temperature under land picture |
|-----------|-------------------------------|--------------------------------|
| 0 minutes | | |
| 2 minutes | | |
| 4 minutes | | |
| 6 minutes | | |
| 8 minutes | | |

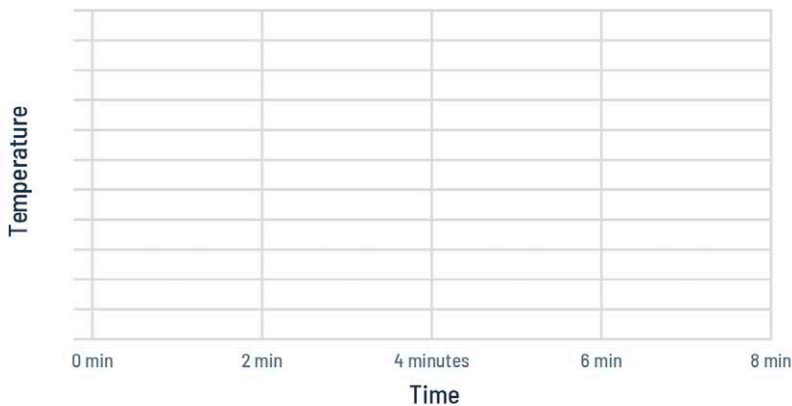
What do YOU think? How is this different than the real world?

What does the data mean?

Graph your data by plotting the points and connecting them into two lines:

- One line for the ice photo temperature
- One line for the land photo temperature

(Remember to fill in the temperature axis and the key.)



KEY: ○ Ice ○ Land

Explain what you think it shows in the space below.