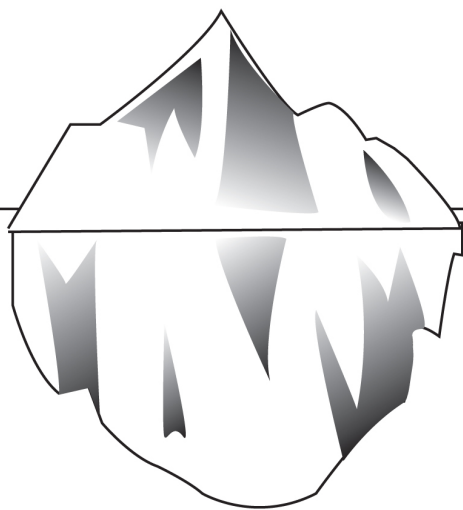[FIGURE 6]

GLACIER GOO
Wrap-up

1. How is glacier goo similar to the properties of a real glacier?

_____

_____

2. How are the properties of glacier goo different than a real glacier?

_____

_____

3. What parts of the glacier move slower than others?
   What could be a reason for this?

_____

_____

4. How does your time of glacier flow compare to other groups?
   What might account for those differences?

_____

_____

5. What are some other variables you could test with glacier goo?

_____

_____

CReSIS
Center for Remote Sensing of Ice Sheets

NSF

[FIGURE 7]

GLACIER GOO
Wrap-up

1. How is glacier goo similar to the properties of a real glacier?

    moves slowly, stretches and cracks like glaciers, can act as a solid and a liquid, similar in color

2. How are the properties of glacier goo different than a real glacier?

    glaciers are compressed snow crystals, goo is sticky and does not melt

3. What parts of the glacier move slower than others?
   What could be a reason for this?

    the outer edges, and they move slower due to friction with the surface

4. How does your time of glacier flow compare to other groups?
   What might account for those differences?

    amount of goo, timer error, location of starting point, type of surface

5. What are some other variables you could test with glacier goo?

    temperature, quantity, slope

CReSIS
Center for Remote Sensing of Ice Sheets

NSF

[FIGURE 8]
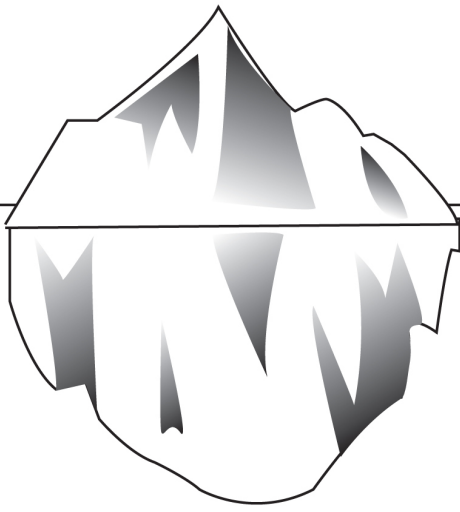
GLACIER GOO
Wrap-up

Example questions:

Activity 1

What causes glaciers to move faster or slower?

What if there are physical barriers in the way? How does a glacier move around or over them?

Activity 2

How would you describe the temperature of the goo?

What happens when you stretch the goo slowly? More quickly?

What happens when you flatten (apply a downward force) to the goo? Slowly or quickly?

How does gravity affect the goo when held above the ground?

What other materials behave in similar ways?

What if the temperature of the goo was increased or decreased?
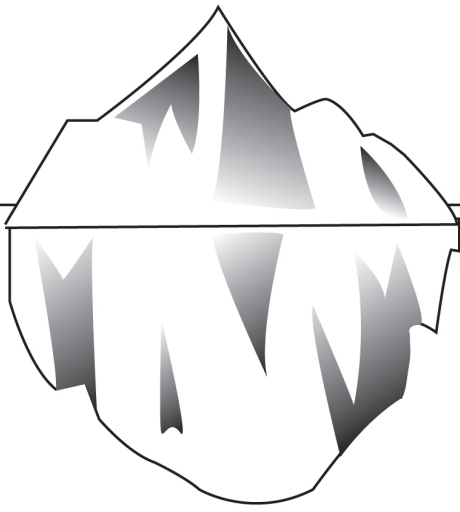
Is the goo a solid or liquid?

Activity 3

What can I do to make a glacier speed up or slow down?

What if there is more goo on a slope or less goo?
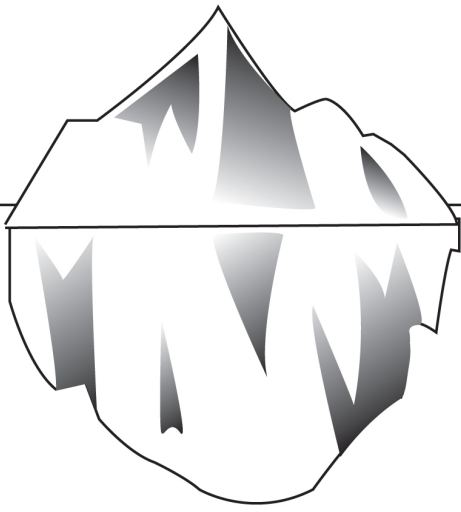
What if the goo were placed on a different subsurface?

What if the slope were more steep? Less steep?

CReSIS
Center for Remote Sensing of Ice Sheets

NSF

GLACIER GOO

Wrap-up

Science Notes

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

GLACIER GOO

Wrap-up

Science Notes

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____