



Comparing Snow Depth in Different Sites

The Big Idea of this Activity:

Snow depth can be different in different places. The features of the landscape can block snow, hold snow, or trap snow and cause it to build up. We can use GLOBE measurements to compare different sites and think of possible explanations.

Materials needed:

- Two different sites where you think the snow depth might be different
- Pencil
- Meter stick
- 2 snow depth data sheets (one for each site)

Think About It: Before going out, stop and think about which site you think the snow depth will be greater. Why do you think so?

Write or draw your idea.

Procedure:

1. Measure snow depth at the two different sites.
2. Take measurements in 3 undisturbed locations at both sites.
3. Record your measurements on your data sheets.

Think Again: What happened? Was your first idea correct? Why do you think so?



Snow Depth

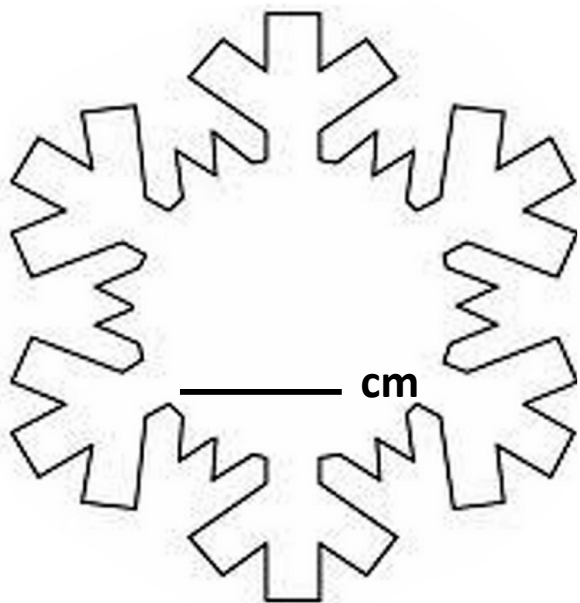
Date: _____

Name: _____

Location (address or GPS coordinates):

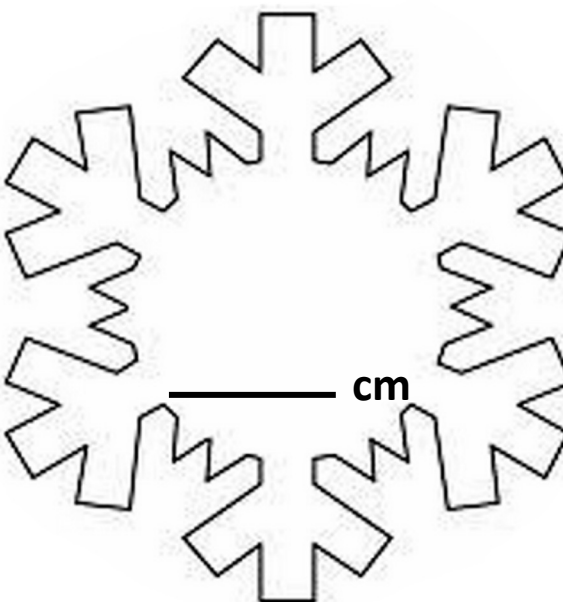
Instructions:

1. Measure snow depth in 3 locations at your site. Be sure to push your measuring stick all the way down to the ground.
2. Record your measurements below.
3. Enter them on the online form or give this to your teacher or club leader for the University of Alaska Fairbanks to send the data to NASA and GLOBE to help understand snow around the world.



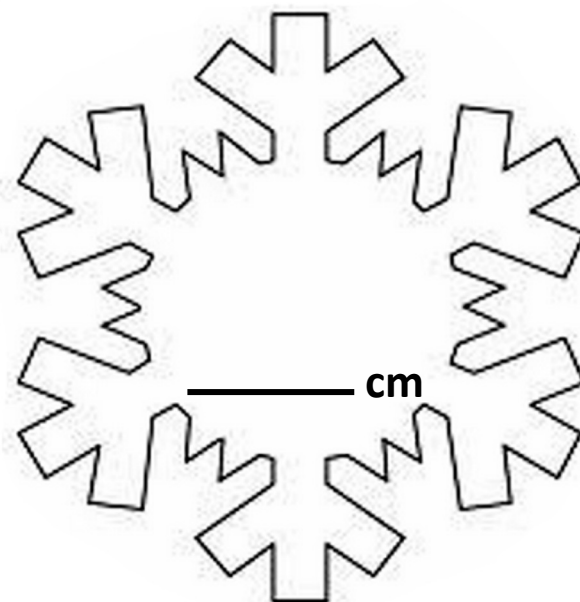
_____ cm

Measurement 1



_____ cm

Measurement 2



_____ cm

Measurement 3



Snow Depth

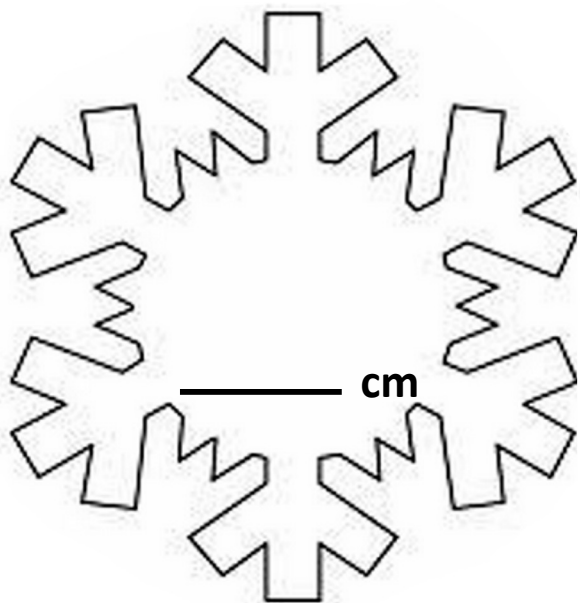
Date: _____

Name: _____

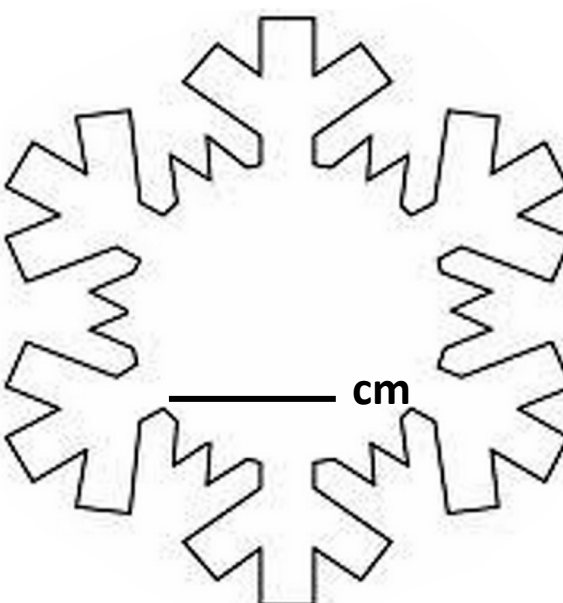
Location (address or GPS coordinates):

Instructions:

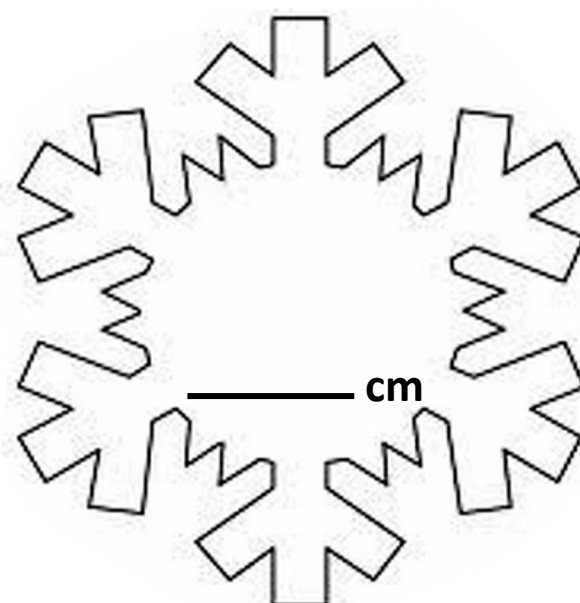
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Measurement 1



Measurement 2



Measurement 3