

2.1

How do snowflakes become ice without melting?

Name: _____

Date: _____

Draw and label a scientific diagram of the way that falling snow eventually becomes an ice sheet.

Diagram should include:

snowflake snow firn ice glacier



How do snowflakes become ice without melting?

STUDENT'S NAME:

CATEGORY	4	3	2	1
Title	Title is informative, centered, and larger than other.	Title is informative and larger than other text.	Title is informative and centered.	The title is incomplete and does not clearly indicate what is pictured.
Labels	Snow, Snowflake, Firn, Glacier, and Ice are all labeled. It is clear which label goes with which structure.	3 or 4 elements that need to be identified have labels. It may be somewhat unclear which label goes with which structure.	2 elements that need to be identified have labels. Or, it may be unclear which label goes with which structure.	One of the elements that need to be identified has a label. It may be unclear which structure goes with the label.
General Formatting	Unlined paper is used. The drawing is large enough to be clear (about 1/2 of a paper of typing paper). Student name and date are included.	Unlined paper is used. The drawing is large enough to be clear. Student name, and/or date may be missing.	Lined paper is used OR the drawing is a little too large or a little too small. Student name and/or date may be missing.	Lined paper is used AND the drawing is much too small or much too large.
Accuracy	Drawing clearly and accurately depicts the mechanism by which snowflakes fall, snow becomes packed, becomes firm, and finally becomes ice.	Drawing clearly and accurately depicts at least 80 to 90% of the mechanism by which snowflakes fall, snow becomes packed, becomes firm and finally becomes ice.	Drawing clearly and accurately depicts at least 70 to 80% of the mechanism by which snowflakes fall, snow becomes packed, becomes firm, and finally becomes ice.	Less than 70% of the mechanism by which snowflakes fall, snow becomes packed, becomes firm, and finally becomes ice.
Spelling	All words are spelled correctly in the title, labels and caption/description.	All common words are spelled correctly in the title labels and description. 1 or 2 scientific words may be spelled.	At least 70% of the word are spelled correctly in the title, labels, and description.	Fewer than 70% of the words are spelled correctly in the title, labels, and description.
Total Points /20				