

What makes a glacier slip?

Name: _____

Date: _____

Two flags are placed in different parts of the Mathes glacier in Alaska, one on the side and one in the middle. After one week the flag nearest the side has moved 2.5 cm while the flag in the middle had moved 27.1 cm.

Calculate the distance both parts of the glacier will have moved after one year.



MORE TO EXPLORE!

Why would one area of a glacier move at different speed relative to another?

What makes a glacier slip?

Answer: $2.5 \text{ cm} \times 52 \text{ weeks} = 130 \text{ cm}$; $27.1 \text{ cm} \times 52 \text{ weeks} = 1409 \text{ cm}$.

Online Tool: **Click here for a helpful link:**

http://www.classzone.com/books/earth_science/terc/content/investigations/es1507/es1507page03.cfm?chapter_no=investigation