

GLACIERS ANTICIPATION GUIDE

Read each statement and decide if it is True or False. Complete the left column before the reading by circling the T for True or the F for False. Complete the right column after inish the reading. Did any of your answers change?

BEI	را الا	STATEMENT		TER Ding
T	ţ	he world's land area is covered by glaciers.	T	ţ
T	F	re no glaciers in North America.	T	F
T	Ė (The two egori of glaciers are Alpine and alom.	T	F
T	F	A cier is a age, this cass of ice that covers rea.	T	ţ
T	F	Most Continental lers were eated during the	T	F
Т	F	Due to friction of a glacier was slower than the bottom	T	F
T	F	Alpine glaciers are small an Continental	T	F
T	F	When glaciers move fast, than no 11 is call a glacial sure	T	F
T	F	A glacier only moves about h ? feet per year.	T	F

DID YOU

The Bering Glacier in long. 25 miles

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4/	Answer the questions below. Then on the coloring page, color each numbered section with the If there is any space left over, color it your choice! Follow the directions proxite to cite evig	oloring page, color each numbered so r choice! Follow the directions provi		sponding color. the reading.	M
444	Questions	Text Evidence	, wsu	nswer	<u> </u>
#	What is a scientist who studies glaciers called?	Find proof to the read, and UNDERLINE it in P	Alpino †	Glaciologist RED	<u> </u>
# 447	#2 What percent of Earth's freshwater is stored in glacie	File of the reading are CL. in GREF	75 PURPLE STRIPES	25 BLUE STRIPES	<u> 1990)</u>
#	#3 What term is used when a chunk of ice brand glacier?	Find poor in the reading and E I it in RED	Calving YELLOW	Breaking ORANGE	<u> </u>
#	#4 Who are giant, elor cks in called?	d proof in the reading and BOX it in YELLOW	Breakages RED	Crevasses ORANGE	<u> </u>
#	#5 vin glacier co.	Find proof in the reading and CIRCLE it in ORANGE	Striations BLUE	Crevasses BROWN	<u> </u>
#	#6 Th gh, central portion of an ice shee	Find proof in the reading and UNDERLINE it in PURPLE	Crest ORANGE STRIPES	Dome GREEN STRIPES	<u> </u>
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called the zone of accumulation. Glaciers are the largest sources of freshwater on Earth. 75 percent of the worlds fresh water is stored in glaciers. Greenland is a giant ice cap with ice that is 2 miles thick! The ice sheet can be so heavy that they can bend the continental crust of each.

not glacier can always a glacier allowater glacier. When a chunk of ice breaks of a glacier it is called "calving".

iceber a polar has to 15 20 icebergs are calved each year.

Animals sug as polar has, and walruses use icebergs as a place to research has a food. For glaciers form in an area where the temperature always below freezing.

Cirque laciers form once slopes of mountains. An ice cap is formed when ice completely there are an area of land. Scientists can drill into an ice cap to collect a ylinder than ple of ice called an ice core. The ice core can be stated to svide chistory of the Earth's climate.

Ablation is the melting, erosion, and even to on of a glacier that reduces the amount of ice. When glacier move mey can change or erode the land around them for the formula like first, horns, or drumlins.

Moraine is rock and debris departed the side or the ends of an ablating (melting) glacier.

Crevasses are giant, elongated crack in the ice the scur on the surface of the glacier. Usually, crevass form in the area where the glacier is moving the fastest.

As the glaciers move they grind against the collection can carry out valleys. Basal sliding is when the bottom of a collection of a collection