

# Does nature have a “bulldozer?”

Let's find out...



What do you know about glaciers?



# How Glaciers Change the World!



How do glaciers form?

What do glaciers do when they move?

Is the water in glaciers freshwater or saltwater?

# How Glaciers Change the World! ANSWERS

How do glaciers form?

- 

What do glaciers do when they move?

- 

Is the water in glaciers freshwater or saltwater?

-

# What 3 ways do glaciers change the world?

1. Erosion
2. Freeze-thaw weathering
3. Deposition

Let's learn more specifics about what glaciers do:



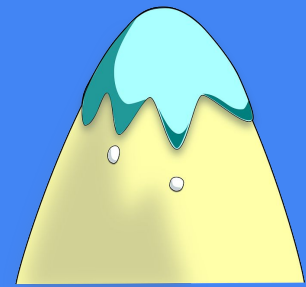
**Athabasca Glacier**

# So what is a glacier? (definition)

- Nature's bulldozer
- Large piece of ice, frozen layers of snow, that moves and changes the land by picking up, breaking off and dropping off (depositing) rocks and dirt along the way.



# Glacier Lab Stations



Station #	Station Description	Observations
1	<p><b>Sandy Ice Cubes rubbed on Dixie cup/wax paper</b></p> <p><u>Question to address:</u> What did the side of the cup/or wax paper look like before and after you rub it with the sandy ice cubes?</p>	
2	<p><b>Plain Ice Cubes rubbed on Dixie cup/wax paper</b></p> <p><u>Question to address:</u> What did the side of the cup look like before and after you rub it with the sandy ice cubes?</p>	
3	<p><b>Ice cubes being pushed down an incline covered in soil/dirt</b></p> <p><u>Video demo: <a href="#">Glacier Science Experiment</a></u></p> <p><u>Question to address:</u> Did the dirt stay where we put it or did it move? Explain.</p>	

As you go through the stations, write down your observations and answers to the question to address.

Can you tell what caused these  
lines on the rocks?



Striations (ice flow direction left to right). Downeast Maine.