## **GLACIER DATA SHEET**

TIME ( )	DISTANCE (CM)	
		Total time for glacier to flow to reach bottom:
		Total distance glacier traveled:
		Calculate the flow rate (speed) of the glacial flow: Hint: Flow rate = distance/time

	OBSERVATIONS	INFERENCES
MODEL GLACIER		
REAL LIFE GLACIER		

SIMILARITIES	DIFFERENCES

- **1.** Glaciers move large boulders, rocks, and gravel, what would all this rock material do to the valley surface underneath the glacier?
- 2. What will happen over a long period of time if the glacier continues to scratch the ground?
- 3. The glaciers moved very slowly, what is causing them to move at all?
- 4. What caused the *striations* (stripes) in the glacier?
- 5. What do you think the different layers of Gak represented on a real glacier?
- 6. What would happen to all of the material the glacier moved down the valley? Where will it end up?
- **7.** Below, make a sketch of a glacier in a valley, be sure to label it correctly according to our class discussion.