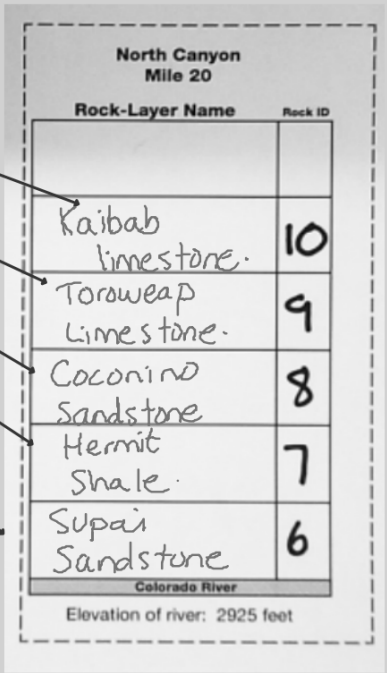
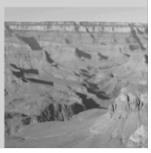
10/29 Grand canyon rocks! #2

In your journal describe this rock wall scene to someone who is not with you.



The photo below was taken standing on the south rim of the canyon and looking at the Canyon wall around milepost 50.



Learning target: I can organise the rock columns to create a conceptual model that represents this area of the Grand Canyon.

North Canyon
Mile 20

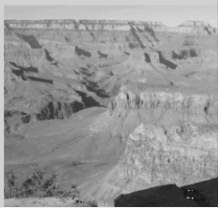
Rock-Layer Name	Rock ID
Kaibab limestone.	10
Toroweap Limestone.	9
Coconino Sandstone	8
Hermit Shale.	7
Supai Sandstone	6
Colorado River	

Elevation of river: 2925 feet

Nankoweap Canyon
Mile 52

Rock ID	Rock-Layer name
9	Toroweap Limestone
8	Coconino Sandstone.
7	Hermit Shale.
6	Supai Sandstone.
5	Redwall limestone
4	MUAV Limestone
Colorado River	

Elevation of river: 2800 feet



Learning target: I can organise the rock columns to create a conceptual model that represents this area of the Grand Canyon.

A model is a representation of a system that can not easily be understood.

Making a model of the canyon walls, Powell can see the whole stretch of the Canyon that is actually 30 miles long and about a mile high!

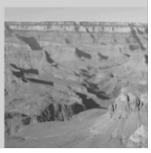
Now your turn!

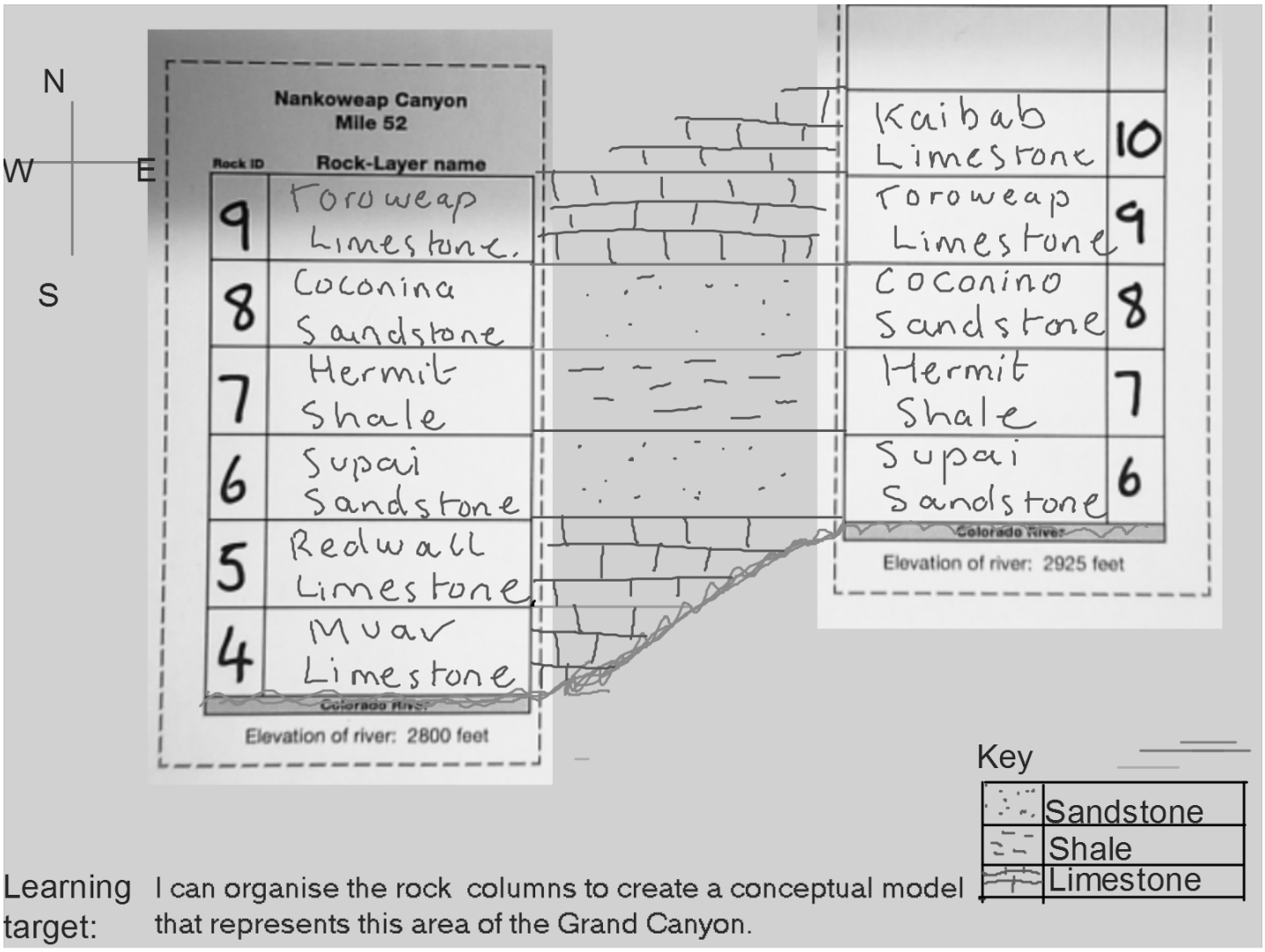
Learning target: I can organise the rock columns to create a conceptual model that represents this area of the Grand Canyon.

Just as you are now noticing, John Wesley powell noticed that as he rowed down river the rocks were in horizontal bands along the rock wall. The rock he collected at location 7 In the North Canyon was in the the same rock band he collected from the Nankoweap canyon!

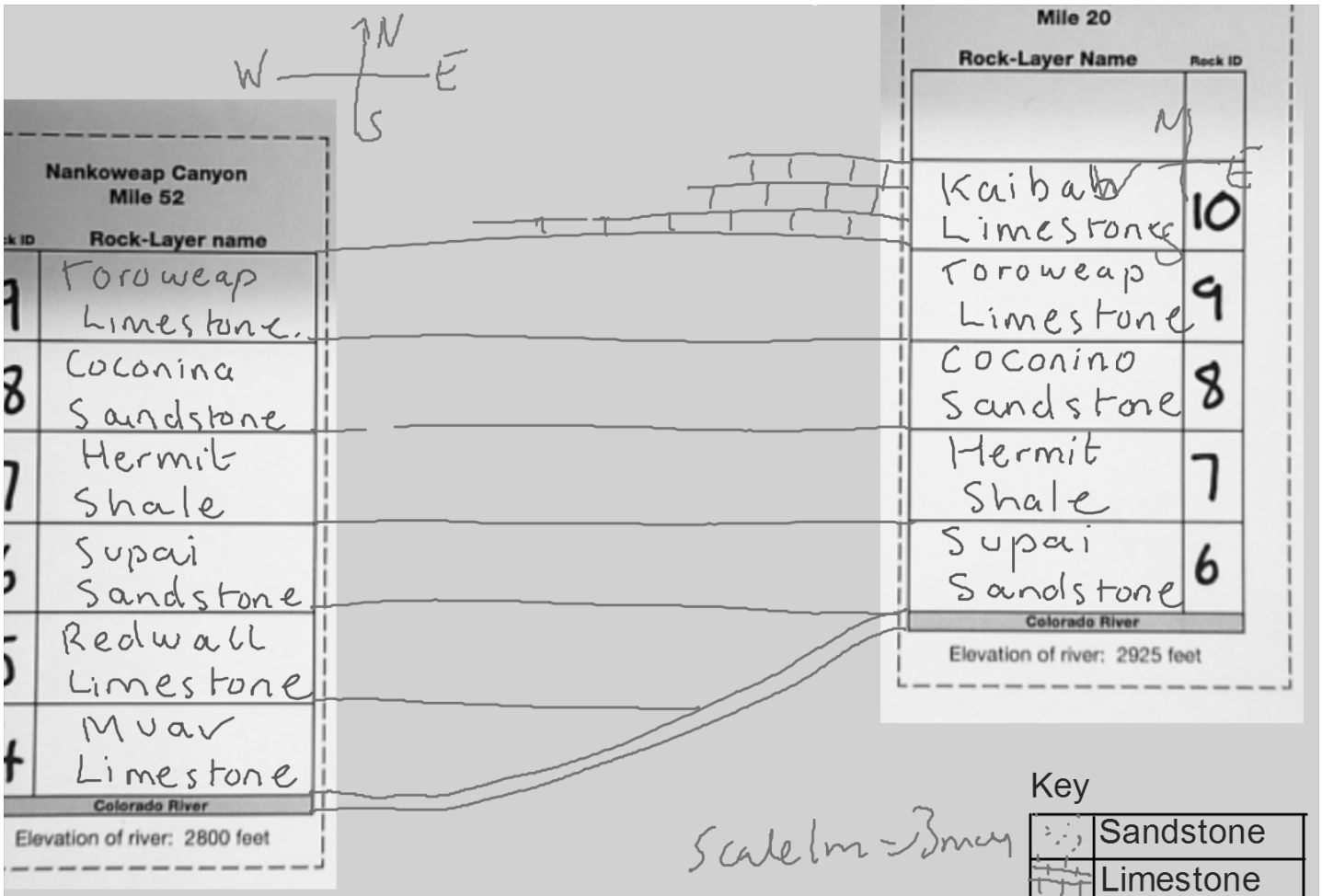
Powell organised his rocks into rock columns, one column for each canyon, so he could get a better view of the area he had travelled. He created a conceptual model of the rock wall of the Grand Canyon.

Learning target: I can organise the rock columns to create a conceptual model that represents this area of the Grand Canyon.



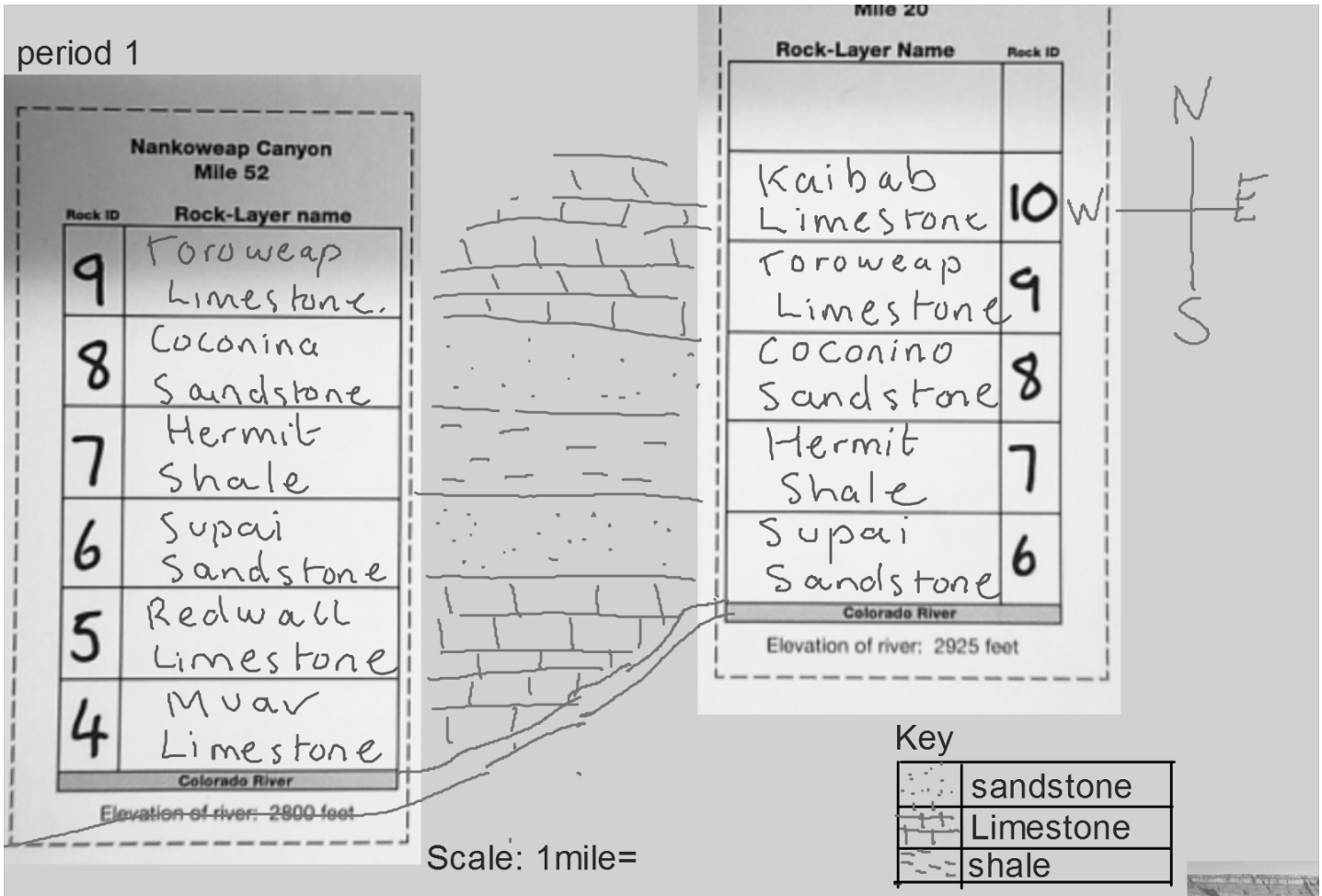


Learning target: I can organise the rock columns to create a conceptual model that represents this area of the Grand Canyon.



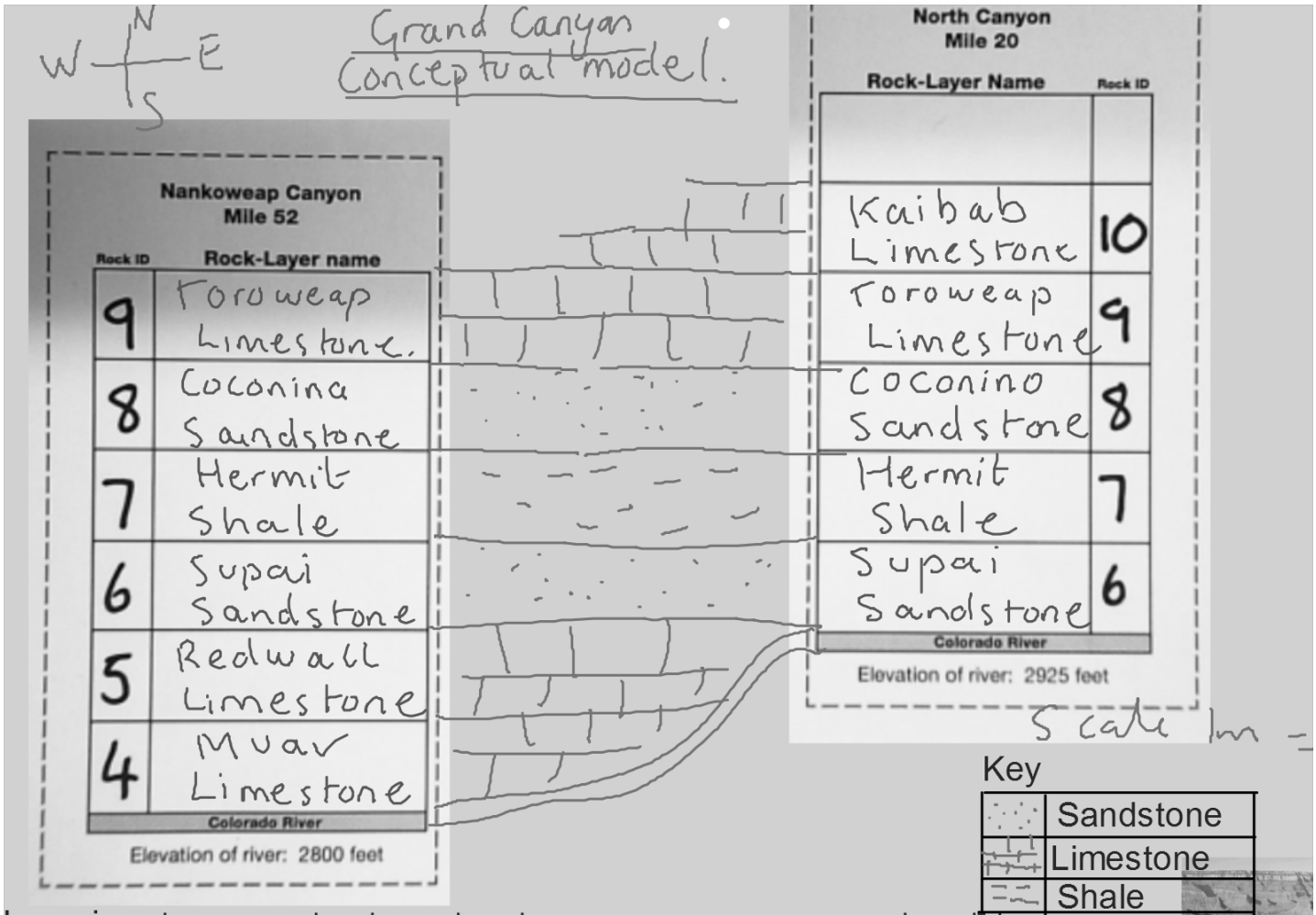
Learning target: I can organise the rock columns to create a conceptual model that represents this area of the Grand Canyon.

period 1



Scale: 1mile=

Learning target: I can organise the rock columns to create a conceptual model that represents this area of the Grand Canyon.



Learning target: I can organise the rock columns to create a conceptual model that represents this area of the Grand Canyon.

How is the conceptual model that you made a good representation of this area of the Grand Canyon?

Learning target: I can organise the rock columns to create a conceptual model that represents this area of the Grand Canyon.