

(Present problem requiring use of GLOBE data archives)

The students in your classroom are GLOBEpals with students at another school. You like to print out the photographs taken from your GLOBEpal school. It helps you imagine what is happening at their school so that you can write more interesting notes to them. In this activity you will look at some photos made by your GLOBEpals.

1) (Take GLOBE Measurements: Measurements are accurate and appropriate) & (Interpret GLOBE Data: Create multiple formats to represent data)

Look at the photograph labeled April 3rd and the photograph that was taken three weeks later on April 23rd. Think about all the things that are happening in this photograph, even if you can't see them. For example: Where are the animals? What are they doing? What is happening inside the soil? Make a list of all the things that are different about the environment at these two times. Decide if your observation is about "air" "water" "soil" or "living things" and write it in the correct column in Table 1. One example is included in the Table.

Table 1: Differences Between April 3rd and April 23rd photograph

Air	Water	Soil	Living Things
	The precipitation that happens on April 3 rd is in the solid form. It is snow. The precipitation that happens on April 23 rd is in the liquid form. It is rain.		

Earth Systems Investigation Area – Making Connections
GLOBE Sample Student Assessment Tool – Elementary School
(Given data from the GLOBE data archives)



2) **(Take GLOBE Measurements: Measurements are accurate and appropriate)** Now look at the photograph labeled April 23rd and the photograph that was taken three weeks later on May 14th. Think about all the things that are happening in this photograph, even if you can't see them. For example: Where are the animals? What are they doing? What is happening inside the soil? Make a list of all the things that are different about the environment at these two times. Decide if your observation is about "air" "water" "soil" or "living things" and write it in the correct column in Table 2. One example is included in the Table.

Table 1: Differences Between April 3rd and April 23rd photograph

Air	Water	Soil	Living Things
		The roots of grass are growing deeper and deeper into the soil on May 23 rd .	

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3) **(Interpret GLOBE data: infer patterns, trends / trends)**

Describe two or more things that you predict will be different about the photograph from May 23rd and a photograph that would be taken three weeks later on June 4th.

4) **(Communicate: Compose a report to explain or persuade)**

Write a GLOBEmail to your GLOBEpals. Write to them about what they will be doing on June 4th and how that will be the same or different from what you will be doing. Draw a picture that shows your prediction of what their GLOBE school site will look like on June 4th.