

Name: _____ Date: _____

Weather and Seasons Student Pre- or Posttest (Answer Key)

1. Draw a picture below and add words to describe the **weather pattern in Pomona in September**. Be ready to talk about these questions: **How do you know this? What is your evidence?**

Ideal response:

The picture should show that the weather in Pomona in September is mostly sunny and warm or hot. The drawing shouldn't include any rain.

The interview questions reveal the following responses: A weather pattern describes what weather is like most of the time. In September, the weather pattern in Pomona is mostly sunny and warm or hot. But the weather pattern changes from month to month. For example, in January, it's mostly cool or warm, and it's rainier than September. Weather patterns in Pomona change during the day, too. It's usually cooler in the morning and warmer in the afternoon. Weather patterns aren't the same everywhere. For example, Detroit, Michigan, has much colder and snowier weather in January than Pomona does. We know about Pomona's weather because we can feel it and see it. We can measure it too. For example, we can use a thermometer to measure how hot or cold it is in Pomona. We can tell the weather changes over time by looking at our calendars and making graphs that show the weather each day and how it changes. We can see patterns in our graphs, like the pattern that shows it's hotter in September than it is in January.

2. Look at the graph below. It shows the number of sunny, rainy, and snowy days for a city in the United States.

January Weather

12				
11				
10				
9				
8				
7				
6				
5				
4				
3				
2				
1				
	Sunny Days 	Cloudy Days 	Rainy Days 	Snowy Days 

a. What is the weather pattern for the city shown on the graph? Circle one or more of the pictures and words below to describe the weather pattern.



Sunny



Cloudy



Rainy



Snowy

b. This city might be (circle one or more):
[Teacher: Point out cities on a US map.]



3. Below is weather data for Pomona for 1 week in July (summer) and 1 week in January (winter).

July

Monday	Tuesday	Wednesday	Thursday	Friday
 	 	 	 	 

January

Monday	Tuesday	Wednesday	Thursday	Friday
 	 	 	 	 

a. Were the weather patterns in July and January the same or different? Circle one answer:

THE SAME

DIFFERENT

b. My evidence is:

Ideal response:

All of the temperatures in July were hot and warm, and the temperatures in January were cool or warm, with no hot days. It also didn't rain at all in July, but it rained three days in January.