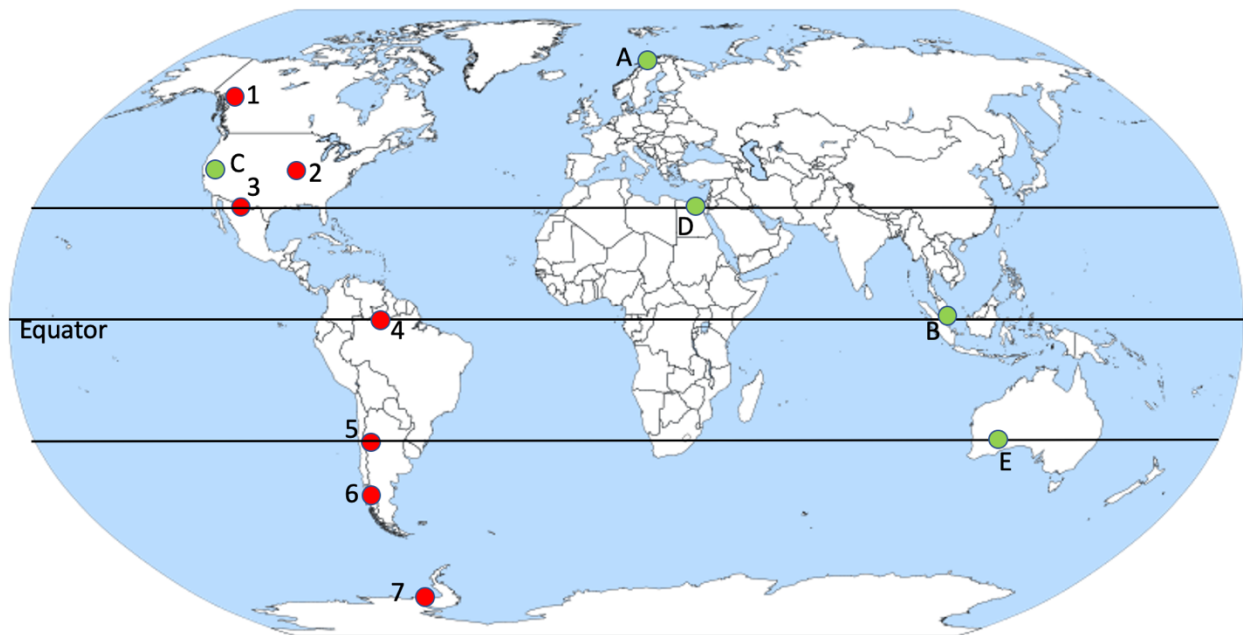


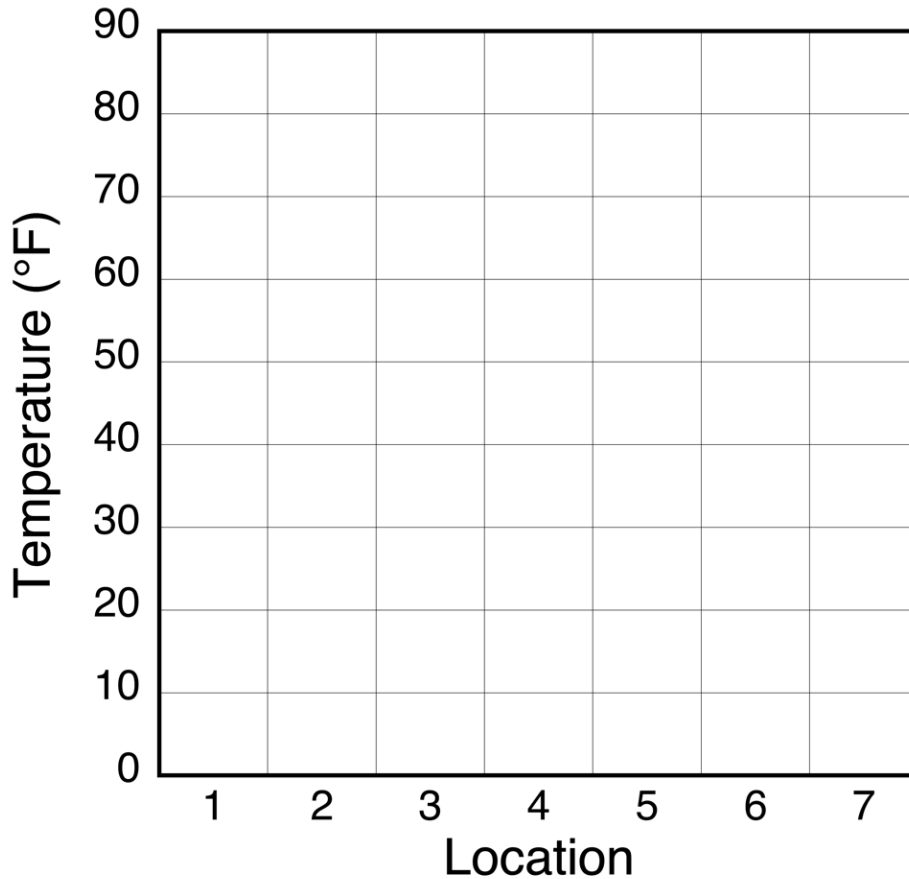
Climate from Pole to Pole

In this activity, you will compare **temperature** and **precipitation** data for a number of cities on the map. In the table, the temperature (°F) shows the average temperature for each city during the month of January. The precipitation data represent the average amount of rain or snow that city gets during the month of January.



	City	Ave. Temp. (°F)	Ave. Precip. (inches)
1	Whitehorse, Canada	5	0.5
2	Peoria, Illinois	25	2
3	Nuevo Casas Grande, Mexico	46	0.5
4	Manaus, Brazil	80	11
5	San Juan, Argentina	78	0.5
6	Puerto Montt, Chile	58	3.5
7	McMurdo Station, Antarctica	27	0.5

I. Plot the temperature data for the locations 1-7 on the graph and answer the following questions.



1. During the month of January, what season is it in the northern hemisphere?

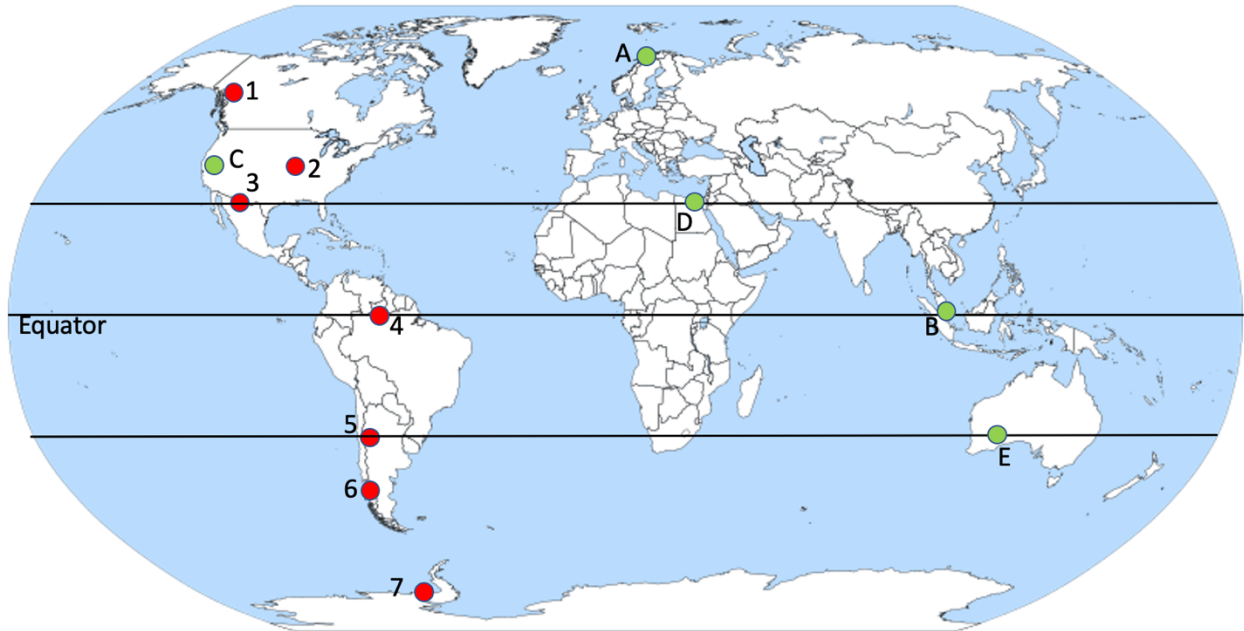
2. Compare the temperatures for cities 1, 2 and 3 in the northern hemisphere.
A. What pattern do you see in temperature?

B. What do you think causes that pattern?

3. During the month of January, what season is it in the southern hemisphere?

4. Compare the temperatures for cities 4, 5, 6 and 7.
C. What pattern do you see in temperature?

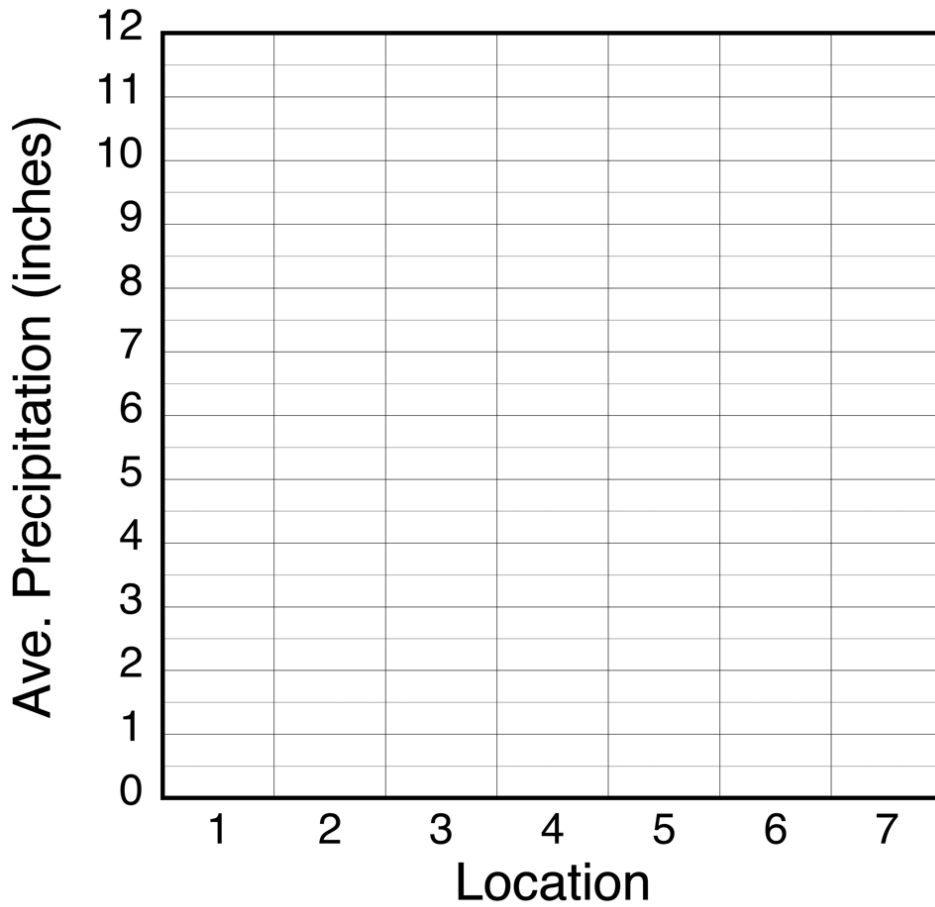
D. What do you think causes this pattern?



5. The tiny town of Alta (Location A) is located in Norway. Make a prediction about what you think the temperature will be in January. Will it be cold or warm? Why?

-
6. The country of Singapore (location B) is located on the equator. Make a prediction about what you think the temperature will be in January. Will it be cold or warm? Why?
-

II. Plot the precipitation data for the locations 1-7 on the attached graph and answer the following questions.



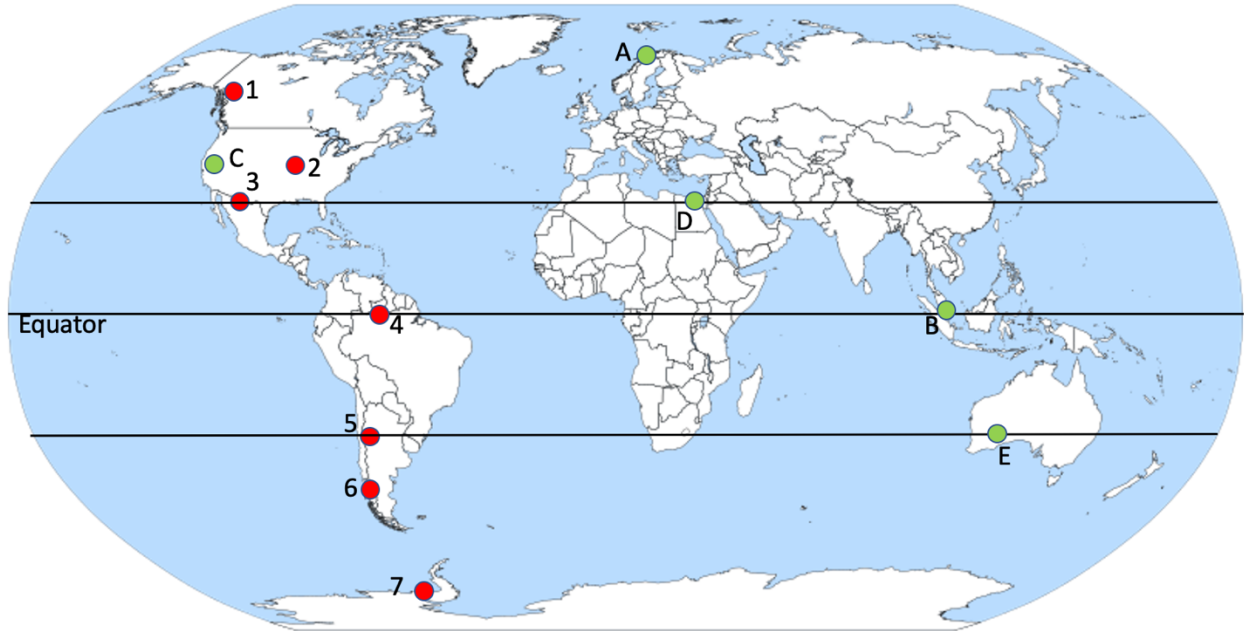
7. Compare the precipitation data for cities 3, 4 and 5. What pattern do you see in the precipitation?

8. Make a prediction about how much precipitation Cairo, Egypt (location D) will get. Do you think it will be very wet or very dry? Why?

9. Make a prediction about how much precipitation the city of Kalgoorlie, Australia (location E) will get. Do you think it will be very wet or very dry? Why?

10. Make a prediction about how much precipitation Singapore (location B) will get. Do you think it will be very wet or very dry? Why?

III. Description of Climate



11. Using the temperature and precipitation data in the table, how would you describe the climate for San Juan, Argentina (location 5)?

12. Which city in North America do you think that the climate of San Juan, Argentina is most similar to?

13. Using the temperature and precipitation data in the table, how would you describe the climate for Whitehorse, Canada (location 1)?

14. Which city in the southern hemisphere do you think the climate of Whitehorse, Canada is most similar to? Remember that there are different seasons in the northern and southern hemisphere.

15. Using the temperature and precipitation data in the table, how would you describe the climate for Manaus, Brazil (location 4)?
