Name _____ Date _____ Period _____

Lab: Constructing a Climatogram
### B I O L O G Y

Background: *Climatograms* are *combination graphs* that represent *weather* data for a specific location or biome over a period of time. Refer to the Data Analysis Feature on page 442 of you textbook to recall what a combination graph looks like.

TABLE 1: AVERAGE CLIMATE IN ALBUQUERQUE, NM.		
Month	Precipitation (mm)	Temperature (°C)
January	12.4	2.1
February	11.2	5.2
March	15.5	8.9
April	12.7	13.1
May	15.2	18.2
June	16.5	23.8
July	32.3	25.8
August	43.9	24.5
September	27.2	20.6
October	25.4	14.1
November	15.7	6.9
December	12.4	2.3
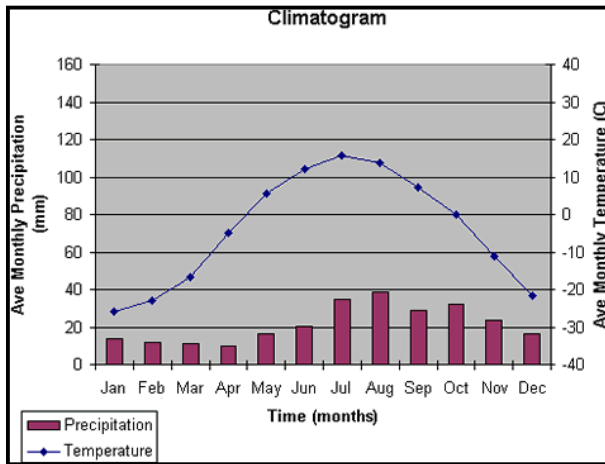
Proceedure:

1. **Graph Data**: Plot the average precipitation as a bar graph, and plot the average temperature as a line graph. Make sure you title the graph and label x and y axis (with units)
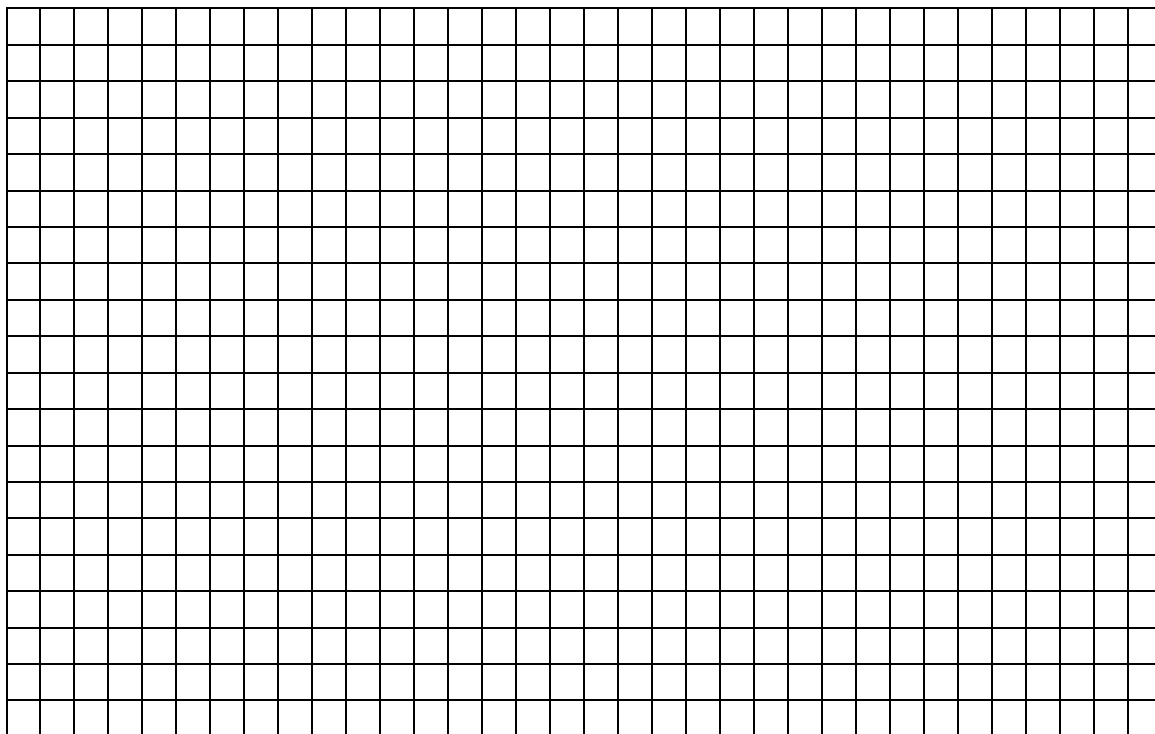
2. **Analyze**: How would you describe the *temperature* change throughout the year in this location?

3. **Identify**: During which month is the *precipitation* level lowest for this location?

4. **Analyze**: Is there a relationship between *temperature* and *precipitation* in Albuquerque, New Mexico? If so, explain how they are related?

5. **Explain**: What is the benefit of using a *combination graph* to illustrate an area's climate?

Use pages 463-466 to answer questions 6-10

6. According to the climatograms in the textbook, which biome has the most rainfall during the summer months?   The winter months?

7. Which biome has the highest temperatures in the summer? The winter?

8. Which biome has the highest annual rainfall? The least rainfall?

9. Which biome experiences a constant amount of rainfall throughout the year?

10. Which biome does San Juan Capistrano most resemble and why?