

Coastal and continental temperature ranges essay sample

[Health & Medicine](#)



**ASSIGN
BUSTER**

Introduction: There are large variations in average monthly temperatures among cities located at the same latitude. This suggests that factors besides the angle and duration of isolation affect the rate heating and cooling of any given location.

Objective: You will graph the average monthly temperatures of coastal and inland continental regions and interpret the range in temperatures.

Vocabulary:

Temperature range-

Average daily temperature

Average monthly temperature

Procedure:

Graph the average monthly temperatures for the four cities given on the data chart; make a LINE graph. Plot all four curves in a line graph, using the same set of axis. Use a different color for each city and include a key.

Questions:

1. Which city has the greatest yearly temperature range?

Explain why.

2. How could you tell from the graph that these cities are all in the Northern Hemisphere? You must use the GRAPH, not the city names or locations!

3. Compare the heating and cooling rates for New York and Bismark.

Calculate the rate of heating from January to July for both New York and Bismark.

4. What is the yearly temperature range in Los Angeles?

5. What is the yearly temperature range for Phoenix?

6. If Los Angeles and Phoenix are at the same latitude, why is there such a difference in the temperature curves?

7. How does the lack of atmosphere moisture in California's Mohave Desert cause a large daily temperature range?

8. Where would you want to live (of the 4 cities) and why?

9. For each of the four cities, which month was the warmest? Which month was coldest?

Conclusion:

Describe the difference in the annual temperature range between costal regions and inland locations.