

LAB 19



- a. Rank the cities based on their summer high temperatures, with 1 being the coolest summer, and 3 being the warmest summer.

City	Rank
Los Angeles, CA	_____
Oklahoma City, OK	_____
Myrtle Beach, SC	_____

- b. How do you know? Explain why you ranked the cities this way.

Differences in Regional Climate

Why Do Two Cities Located at the Same Latitude and Near a Body of Water Have Such Different Climates?

- c. Rank the cities based on their winter low temperatures, with 1 being the warmest winter, and 3 being the coldest winter.

City	Rank
Los Angeles, CA	_____
Oklahoma City, OK	_____
Myrtle Beach, SC	_____

- d. How do you know? Explain why you ranked the cities this way.

4. Scientists conduct investigation based on their own interests; societal needs and current events do not influence the work of scientists at all.
- I agree with this statement.
 - I disagree with this statement.

Explain your answer, using an example from your investigation about differences in regional climate.

LAB 19

5. Scientists use models as tools for reasoning about natural phenomena.
 - a. I agree with this statement.
 - b. I disagree with this statement.

Explain your answer, using an example from your investigation about differences in regional climate.

6. Scientists often need to look for patterns that occur in the data they collect and analyze. Explain why identifying patterns are important, using an example from your investigation about differences in regional climate.

7. Defining a system under study and making a model of it are tools for developing a better understanding of natural phenomena in science. Give an example of how system models are used by scientists to investigate natural and designed systems.