

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**FIRST SEMESTER • FUNDAMENTALS OF GEOGRAPHY • 46 POINTS**

**Instructions:** Complete each activity as directed. Review your assignment for completeness and accuracy and submit it for evaluation.

**Definitions** - Write complete definitions for the following terms. Your definitions need to be at least one complete sentence in length.

**8  
POINTS**

1) acid rain

2) cultures

3) equator

4) geographic tools

5) geysers

6) great circle route

7) migration

8) prime meridian

## Thinking Geographically - Answer the following questions completely based upon what you have learned about the five themes of geography.

12  
POINTS

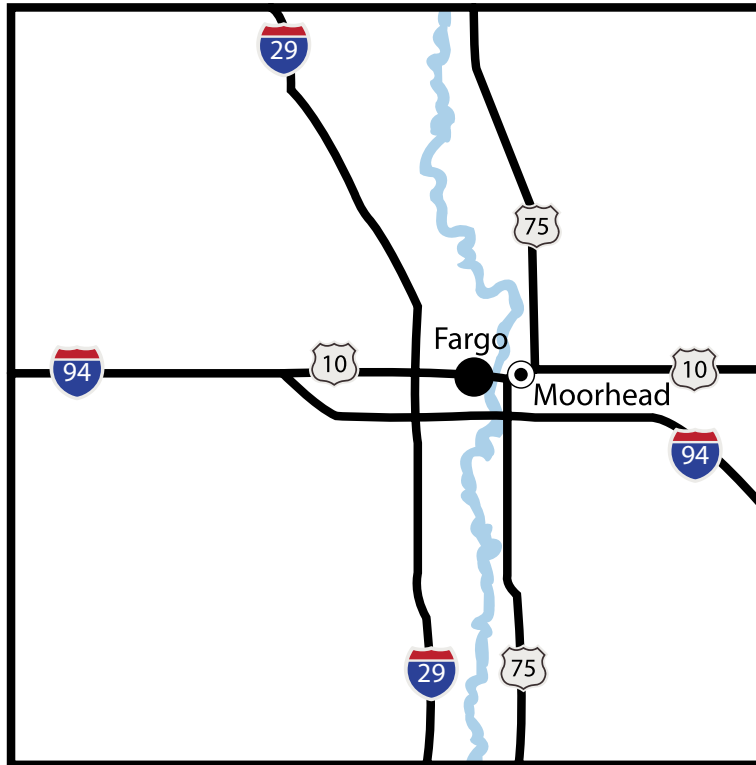
- 1) **Location:** Describe where you live in terms of both absolute and relative location. (4 points)
  
  
  
  
  
  
  
  
  
  
- 2) **Region:** Identify at least one region into which your location would be included. Upon what shared characteristic is this region based? (2 points)
  
  
  
  
  
  
  
  
  
  
- 3) **Place:** Outline some of the physical and cultural characteristics that make your location (city, town, or area) unique. What is the lay of the land and what are the people like? (2 points)
  
  
  
  
  
  
  
  
  
  
- 4) **Movement:** What are the patterns of movement within your region, and how do people communicate with others outside of your region? (2 points)
  
  
  
  
  
  
  
  
  
  
- 5) **Human-Environment Interaction:** Provide specific examples to illustrate how people living and working in your city or town have interacted with their environment. What are the consequences of these interactions? (2 points)

## Map Analysis - Study the two maps below and use them to answer the questions that follow.

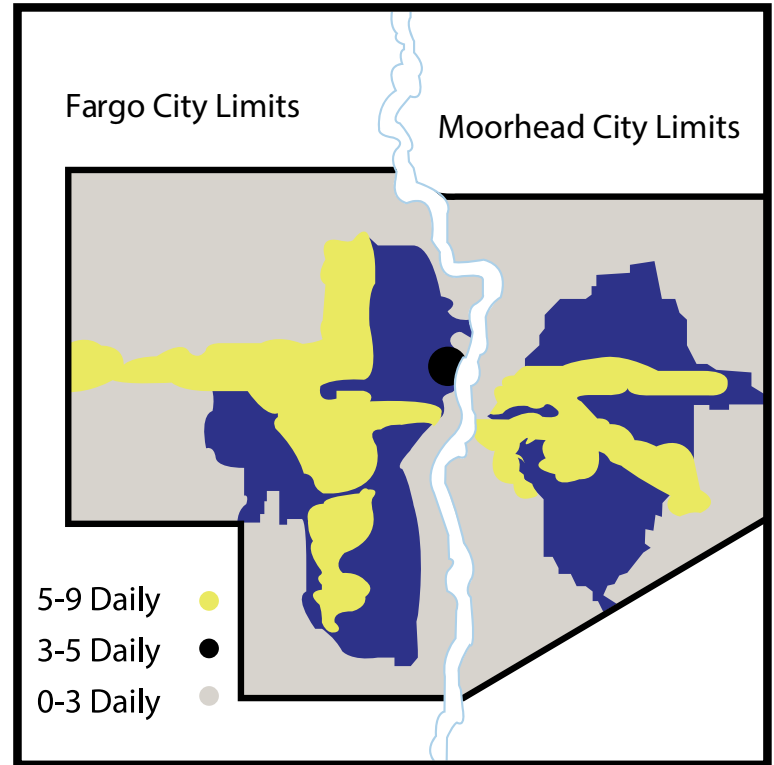
10  
POINTS

In this lesson you read about Geographic Information Systems or GIS and how the information can be used to analyze data about a region or location. By having two or more maps showing different types of information, geographers can layer them to visualize relationships between different characteristics at different locations.

● = the same point on both maps (to be used as a point of reference)



**Map A:** Major roadways in the metro-area



**Map B:** Noise complaints by residents

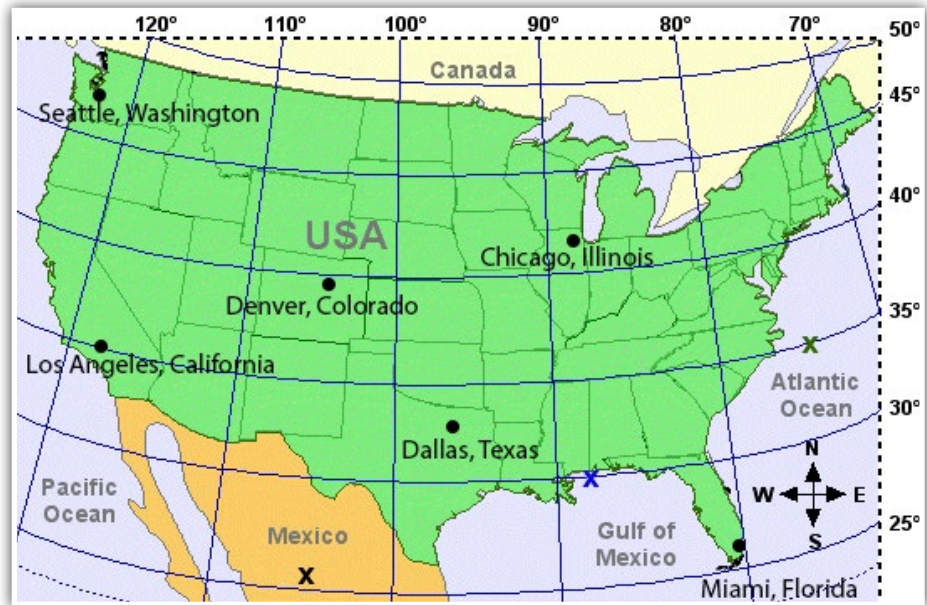
- 1) What important information is being shown on each map? (2 points)
- 2) Imagine that you could layer Map A over the top of Map B. The most complaints of noise originate along what features from Map A? (2 points)
- 3) There is a major river running through the center of this metro-area. In general, are there many noise complaints associated with people living along that river? (1 point)

- 4) What does your answer to the previous question lead you to conclude about boat, barge, or recreational use of the river? (2 points)
- 5) Do these two maps provide enough information to tie noise complaints to traffic or road noise without any doubt? Why or why not? (3 points)

**Latitude and Longitude** - The map below of the United States shows lines of longitude and latitude labeled by degrees. Study the map and use it to answer the questions that follow.

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POINTS**

- 1) What city identified on this map is located at approximately  $39^{\circ} 50' \text{ N}$ ,  $104^{\circ} 50' \text{ W}$ ?
- 2) What is the location, in degrees, of Miami, Florida?
- 3) How many U.S. states are located entirely North of the  $40^{\circ} \text{ N}$  line of latitude?



- 4) What city identified on this map is located at approximately  $41^{\circ} 50' \text{ N}$ ,  $87^{\circ} 57' \text{ W}$ ?
- 5) What is your home state (country)? *If you live outside of the United States, refer to a textbook map to complete the exercise for your country of residence.*
- 6) What is the location, in degrees of longitude and latitude, of your state's (country's) capital?

## Discussion Questions - Answer the following essay questions completely.

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**10  
POINTS**

- 1) Explain how lines of longitude and latitude are different. (2 points)
  
  
  
  
  
  
  
  
  
  
- 2) What advantage does a map have over a globe? What problems result from projecting a round earth onto a flat map surface? (2 points)
  
  
  
  
  
  
  
  
  
  
- 3) Define the Ring of Fire and identify at least two volcanoes included within it. (3 points)
  
  
  
  
  
  
  
  
  
  
- 4) Identify the three most common causes of erosion. Describe how each cause works to wear away at the surface of the earth. (3 points)