

**Step 2. Analysis**

Use the maps on the pages indicated to identify the climate regions and air masses for each of the locations.

Evaluate the importance of each climate factor in influencing the climate of a location. If the factor is important, write YES in the box. If the factor is not important, write NO in the box. If you are not sure, write a ? in the box.

Since all the locations are in the prevailing westerly winds and near the same latitude, these categories have been blocked on the table as factors that are common to all the locations.

Location	Climate Region (pages 124-125)	Air Masses (page 78)	Climate Factors (pages 112-117)					
			Latitude	High Altitude	Nearness to Water	Ocean Current	Prevailing Winds	Mountain Ranges
Newark, New Jersey Elevation: 16 ft / 5 m Lat/Lon: 40.7° N 74.2° W								
Chicago, Illinois Elevation: 596 ft / 181 Lat/Lon: 41.9° N 87.6° W								
Falls City, Nebraska Elevation: 984 ft / 300 m Lat/Lon: 40.1° N 95.6° W								
Cheyenne, Wyoming Elevation: 6155 ft / 1876 m Lat/Lon: 41.1° N 104.8° W								
Crescent City, CA Elevation: 56 ft / 17 m Lat/Lon: 41.8° N 124.2° W								

Compare the temperature, rainfall, and snowfall data for each location to the location's climate region description. Does it match the description? Explain any disagreement.

Now complete step 3.