

CLIMATE

Go back to <http://formontana.net> and then click on picture # 65. Look at the image and read the explanation below the image.

1. Find definitions for “climate” and “weather”. In your own words, explain the difference between these two terms.
2. Let’s say that you are 25 years old and you have just been offered a great job in a new location. What are 4 things you would want to know about the climate of that location?
3. How does the elevation (altitude) of Westby compare to the elevation of the other 3 towns on the map?
4. How does the latitude (distance from equator) of Westby compare to the latitude of the other 3?
5. Why are the three other towns less likely to experience air masses from the Arctic during the winter?
6. Explain what the term “annual temperature range” means.
7. Westby has a greater annual temperature range than Cooke City. Explain why.
8. Which Montana town has the coldest average year-round temperature?

9. Look at the climate graphs near the bottom of the web page. What are the average **maximum** temperatures in Westby and Cooke City around August 1st?
10. What are the average **minimum** temperatures for those towns on January 1st?
11. During which month does Westby tend to get the most precipitation?
12. **Click on the Hot Link titled “Montana climate Summaries”**. From the alphabetical list of towns on the left side of the web page, select Helena. What is the average low (minimum) temperature for Helena in January?
13. During which month does Helena get the most precipitation?
14. What is the average high temperature for Helena in December?
15. The averages shown on this web site are based on many years of data. What is the span of years represented by these averages?
16. During those years, what was the average amount of snow that Helena received annually (per year)?
14. What was the average annual precipitation for Helena?

NOTE

Remember, you need to score at least 85% on each assignment to get credit for it. If your score is less than 85% on any assignment, you will have to make corrections (“Fix it”), and then turn it back in.