**Climate Graphs**

What is *climate*?

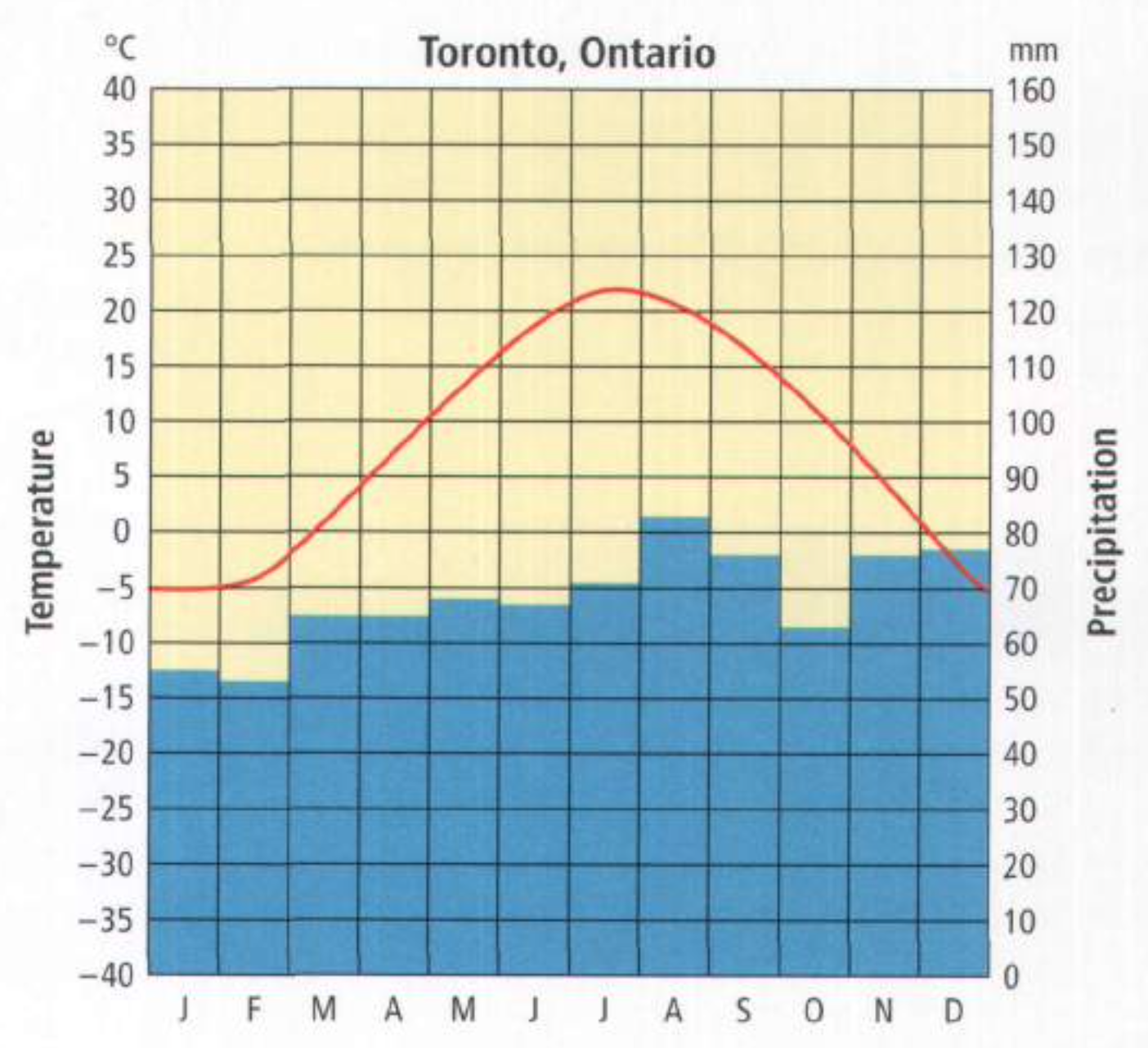
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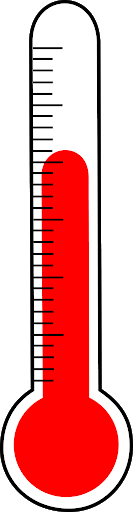
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What is *weather*?

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Key elements of climate graphs:

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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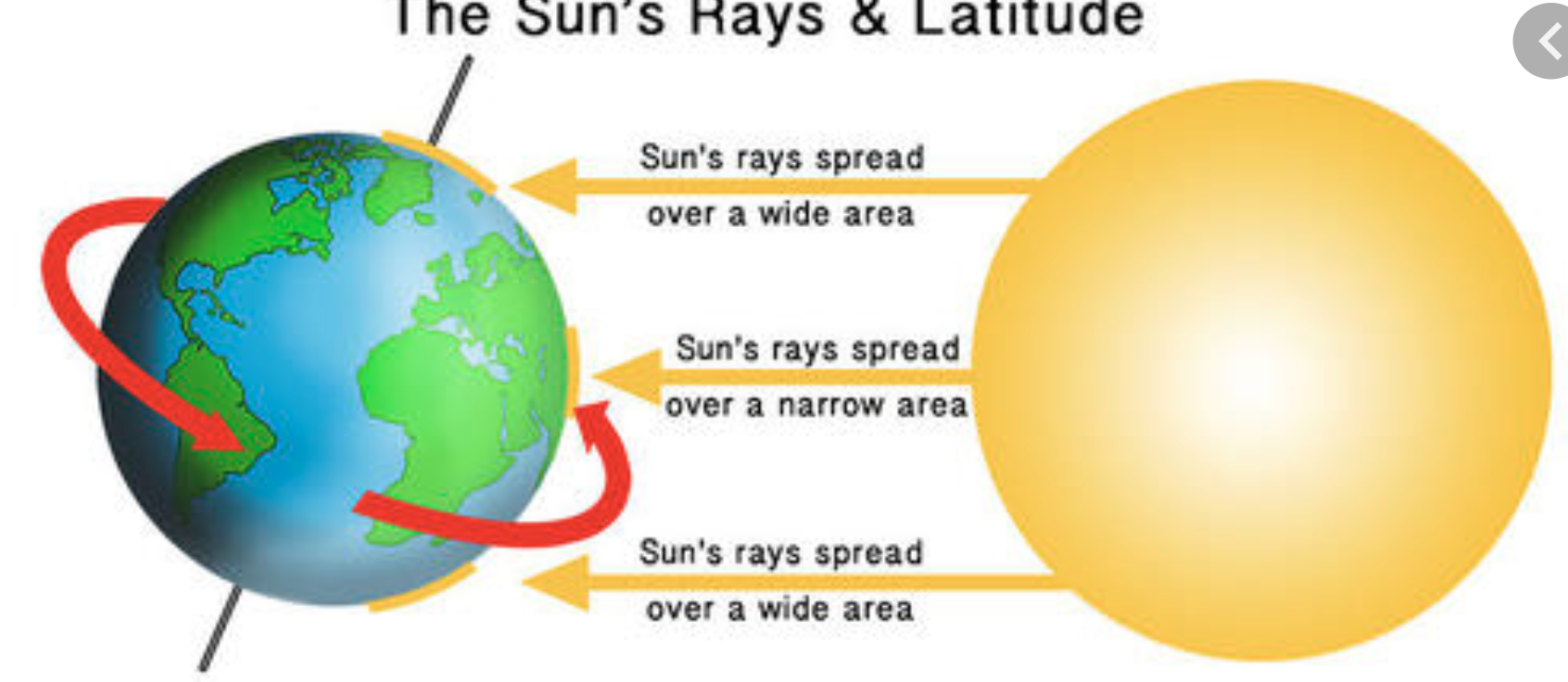
Factor #1: Northern vs. Southern Hemisphere

* The hottest months in the Northern hemisphere are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The hottest months in the Southern hemisphere are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* This is because the Earth is tilted on an axis of 23.4°.
  + In the Northern hemisphere’s summer, it’s titled in towards the sun.
  + In the Northern hemisphere’s winter, it’s titled out and away from the sun.

|  |  |  |
| --- | --- | --- |
| Northern Hemisphere:  \_\_\_\_\_\_\_\_\_\_\_\_  Southern Hemisphere:  \_\_\_\_\_\_\_\_\_\_\_\_ |  | Northern Hemisphere:  \_\_\_\_\_\_\_\_\_\_\_\_  Southern Hemisphere:  \_\_\_\_\_\_\_\_\_\_\_\_ |

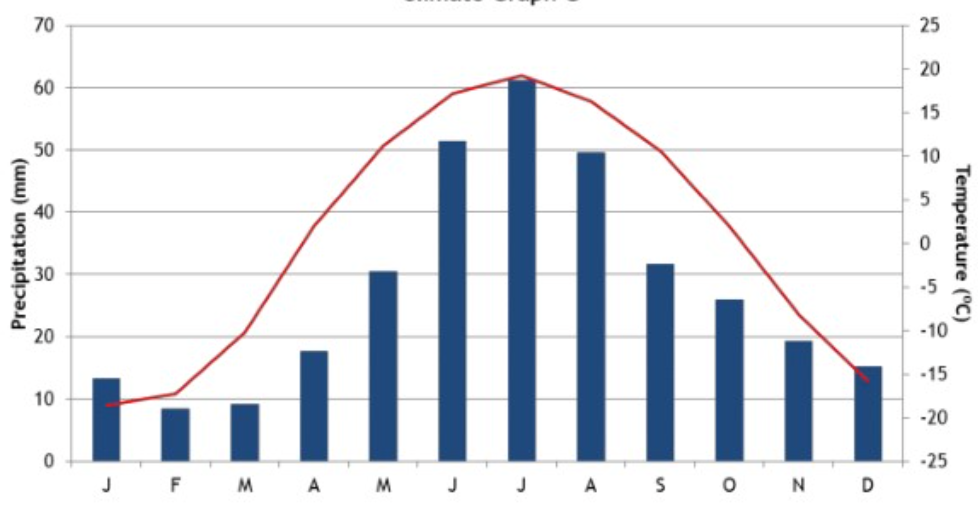
Factor #2: Proximity to the Equator

* Places close to the equator have more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ temperatures throughout the year.
* Places far away from the equator have more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ temperatures throughout the year.

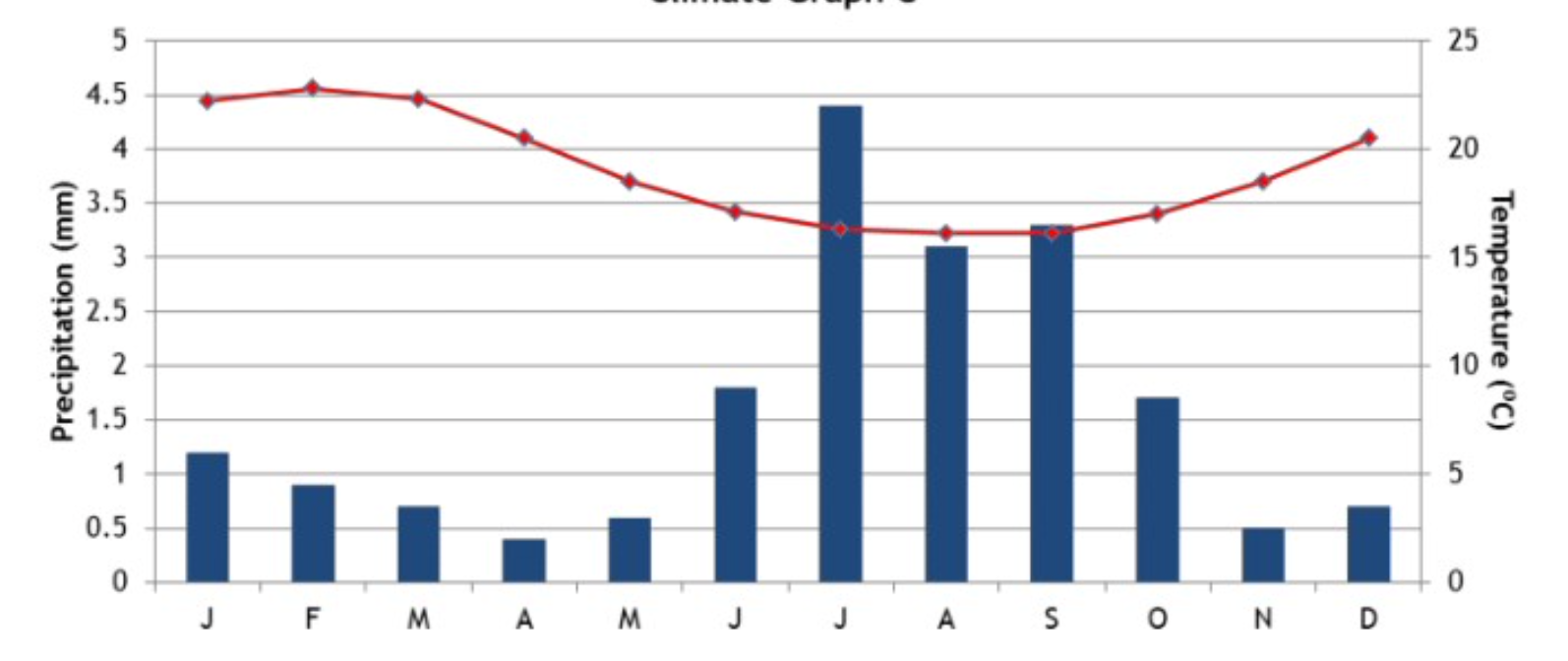


Factor #3: Proximity to a Body of Water

* Places close to a body of water have more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ temperatures throughout the year.
  + This is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ climate.
* Places far away from a body of water have more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ temperatures throughout the year.
  + This is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ climate.



* What is the average monthly precipitation in May? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What is the temperature range for this city? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Which hemisphere would this city be found in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* Which hemisphere would this city be found in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Do you think this city is far from or close to the equator? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Do you think this city is far from or close to a body of water? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_