**The Climates of Canada**

Define the following terms:

**Weather**:

**Climate:**

The Six Factors Affecting Climate

1. **LATITUDE:**
	* Lines extending east and west around the earth and measure the distance north and south of the Equator (0 degrees)
	* Because the Earth is tilted on its axis, the sun heats it unevenly
	* Areas \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the equator get \_\_\_\_\_\_\_\_\_\_ direct sunlight all year
	* Areas \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from the equator get \_\_\_\_\_\_\_\_\_ direct sunlight
2. **ALTITUDE:**
	* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the altitude the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the temperature
	* 150 m rise in altitude = 1 degree drop in temperature
3. **DISTANCE FROM THE SEA:**
	* The \_\_\_\_\_\_\_\_\_\_\_\_\_of land heats and cools more \_\_\_\_\_\_\_\_\_\_\_\_ than \_\_\_\_\_\_\_\_.
	* Large landmasses can vary between temperature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	* Summer and Winter temperatures on the West Coast are moderated by the \_\_\_\_\_\_\_\_\_\_.
4. **WIND DIRECTION:**
	* Depending on their point of origin, winds can \_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_ the temperature.
	* In Canada, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ winds (those that usually come from one direction) most often come from the \_\_\_\_\_\_\_\_, or the north.
	* West Coast communities are unique in Canada with winter temperatures above freezing. They have mildest winter temperatures as a result of warm \_\_\_\_\_\_\_\_\_\_\_\_\_\_ winds coming off the ocean.
5. **OCEAN CURRENTS:**
	* Affect temperature by warming or cooling the air.
	* Ocean currents can be warm or cool depending on their \_\_\_\_\_\_\_\_\_\_\_\_.
	* Affect temperature of land by warming or heating the air blowing over them.
	* Warm air can hold more \_\_\_\_\_\_\_\_\_\_\_\_ than cold air; this is why West Coast has a mild, \_\_\_\_\_\_ climate.

**Precipitation:** drizzle, showers, heavy rain, hail, fog, or snow 🡪 they all have an impact on the location they fall.

* The amount of precipitation a location receives depends on its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Western Canada experience three types of precipitation:

1.

2.

3.

**Question**

Which one of the five conditions affecting temperature do you think has the greatest impact on Victoria and why? Explain your reasoning with supporting details. (Minimum 4 sentences)

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