

Mr. Aitken

Washington State History

- Why does western Washington get so much more rain than eastern Washington?



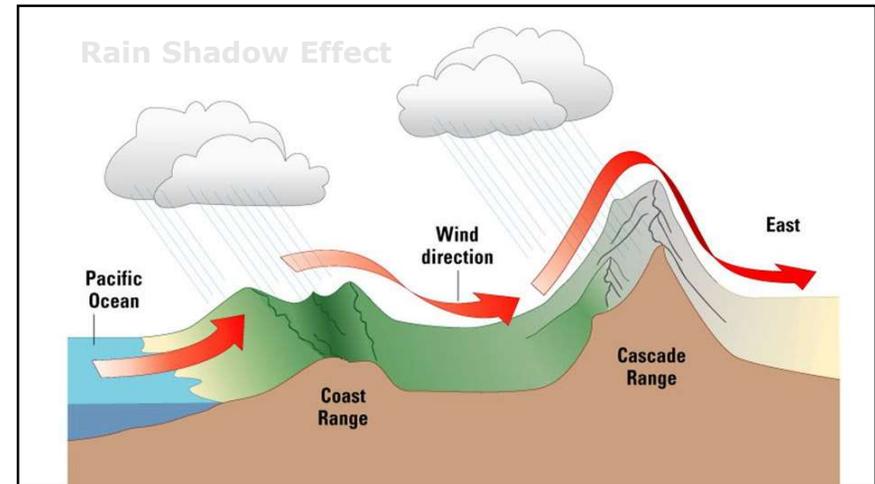
Rain Shadow Effect

- The Cascade Mountains act as a barrier between the two sides of the state.
- Think of a curtain keeping water inside a shower.



Rain Shadow Effect

- Video:
<https://youtu.be/DoKTTTd-XEQ>



Steps of Rain Shadow Effect:

- Warm air picks up moisture.
- Air cools as it rises.
- Cool air drops moisture.
- Dry air warms as it lowers.

Effects of Rain Shadow:

- Western Washington gets much more annual rainfall. Temperatures are more mild due to the ocean and sound.
- Eastern Washington gets less rain. Temperatures are warmer in summer and colder in winter east of the Cascades.

