

Two minutes to review note card and study guide

-Have HW 4 Clouds out.

Quiz Weather

-Clear desk other than note card and paper to cover up your quiz.

When you are done cover quiz and I will collect.

Warm Up: 5 Review
5-15-17

~~Please have out HW 4 clouds, Note Card, and Study Guide.~~

LT I can state the difference between weather and Climate

Q1 What is a cloud?

Q2 List the air masses.

Q3 What is wind?

Warm Up: 5 Review
5-15-17

LT I can state the difference between weather and Climate

Q1 What is a cloud?

Ⓐ1 It is tiny liquid water particles that have condensed due to a drop in temperature usually due to increase elevation in the troposphere.

Q2 List the air masses.

Ⓐ2 Continental, Maritime, Polar, Tropical

Q3 What is wind?

Ⓐ3 The Nitrogen, Oxygen and other gas particles moving from a High Pressure to a low pressure due to Pressure Gradient caused by the uneven heating of the earth's surface.

2 minutes: What is the difference between weather and climate??

Difference between Weather and Climate

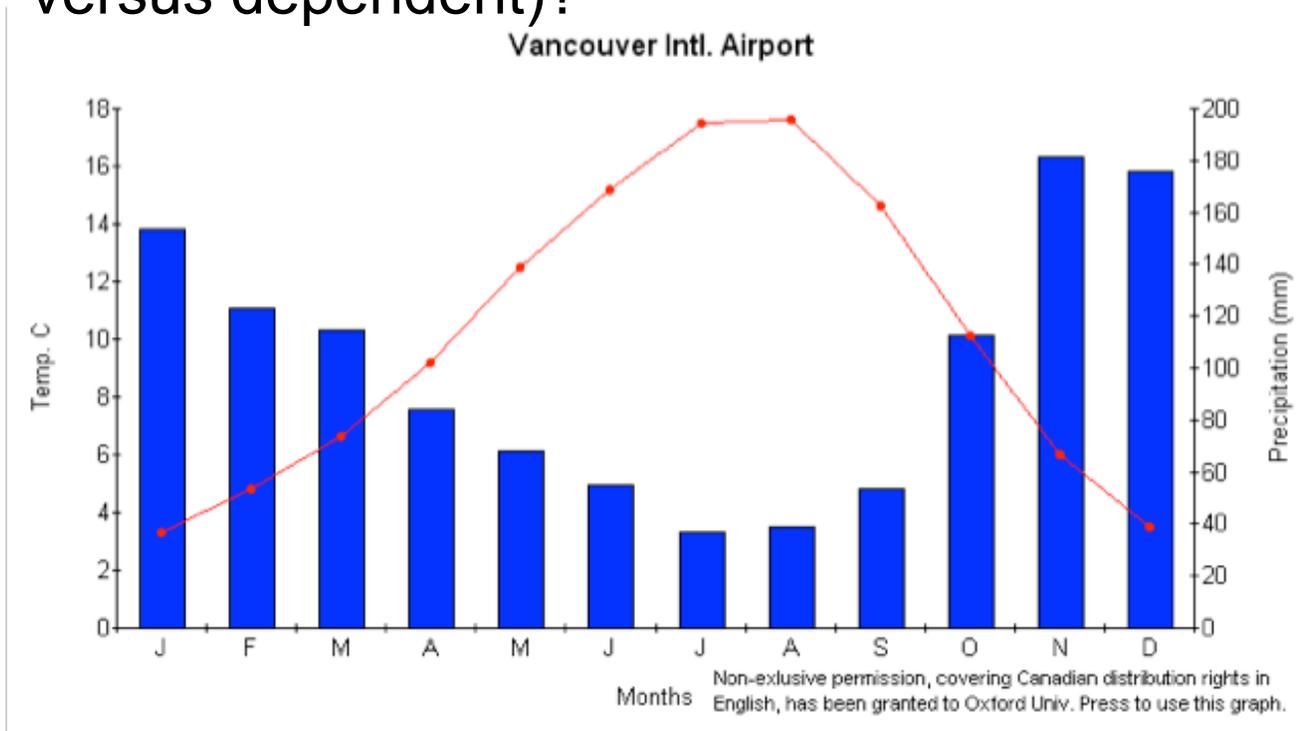
Weather: Refers to the state of the atmosphere (troposphere) at a specific time and place.

Climate: Long term trends of temperature and precipitation. Affected by proximity to water bodies (high specific heat index!!!) and geographic location
latitude, altitude, topography

What factor influence long term temperature and precipitation?

-Talk to neighbors 3 minutes, have at least 4 ideas

Study the graph, what are the variables, what seems to be affecting the other (independent versus dependent)?



Q. What would cause this relationship?

Would this work:

when there is warmer air, it evaporates more liquid water into gas and then more gas condenses back into liquid and more rain with higher temperatures.

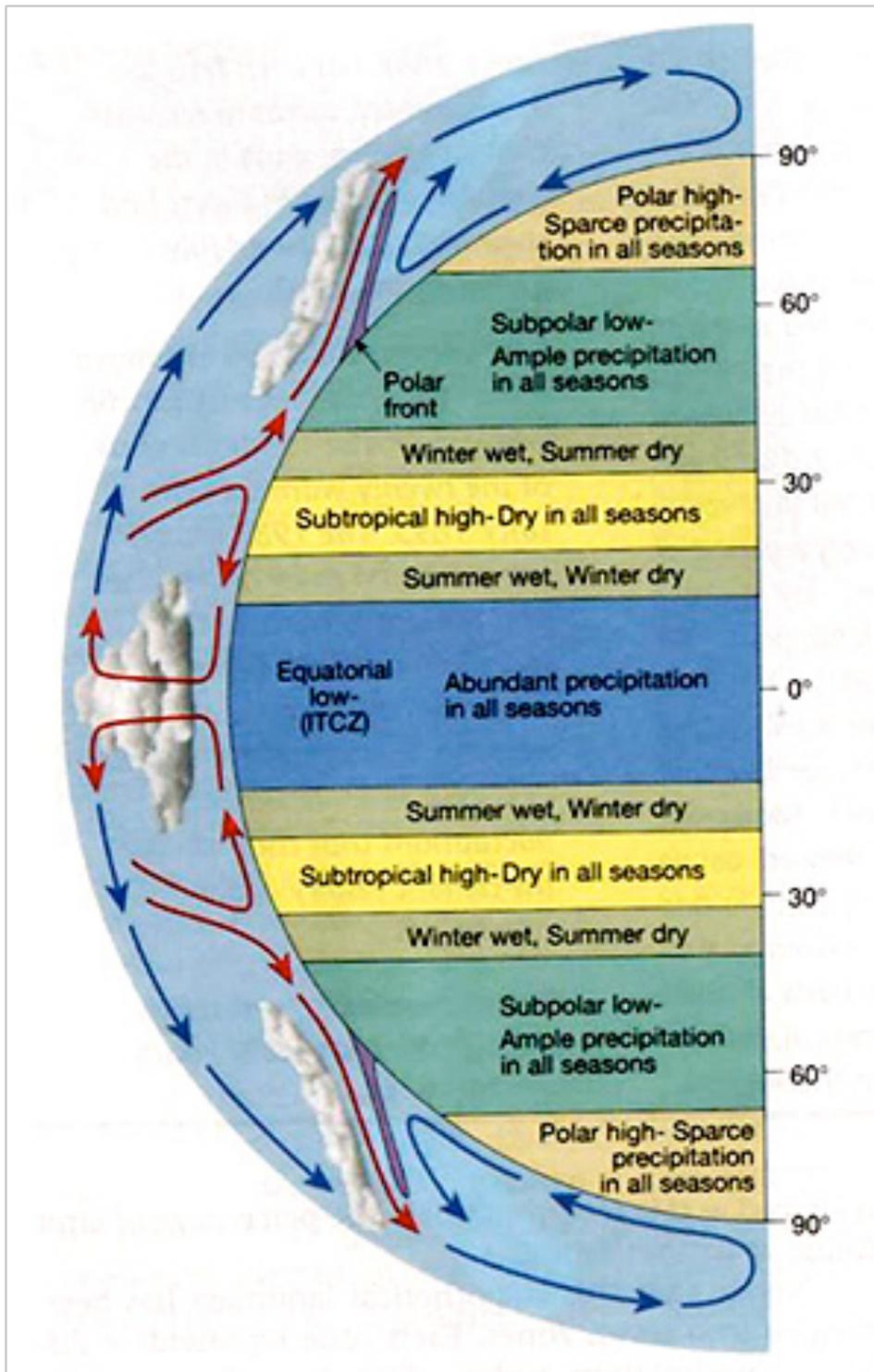
A No, it is hot in summer, but the least rain fall.

Q. So what is causing more rain when it is cold and less rain then it is hot?

A. Warm air can hold more water vapor.

A. Seasonal Winds.





Global Air Circulation Patterns

Air rises near the equator, flowing toward the North and South Poles

Returns to the surface Earth in the subtropics

Flows back toward the equator at the surface of the Earth

Produces winds called the trade winds and the tropical easterlies with Coriolis effect

Q. What was the last slide of?

A Climate versus Latitude

Q. What causes the different climate at different latitudes?

A The strength of the Sun's rays on the earth.

More on this topic tomorrow!!!

Date	Lecture	Warm Ups	Notes/ Vocab	HW	Quiz/ Project
5-16-16	5 Quiz Weather vs Climate	5 Review			Quiz Weather