**Quiz Review:**

**Water in the Atmosphere**

**Weather vs. Climate**

**Both are conditions in the atmosphere. Temperature and Rain fall describe both however weather is day to day short term, but climate is over a long period of time spanning for decades.**

**Climate: long term, decades 100’s of years**

**Weather: short term, conditions that occur in the atmosphere over a short period of time. Local**

**Do Now 1: OCEANS AND MOUNTAINS**

**Cites near the ocean have more water vapor in the atmosphere and when the air rises up on the mountain side it cools and condenses. Therefore windward cities have more rain.**

**Mountains.**

**Cities found on the leeward (opposite side of the mountains will have little or no rain**

**Do Now #2**

**Warm Ocean Currents** bring warm water that evaporates into the air. The moisture in the air will rise, cool and condense into clouds. Next the clouds bring precipitation.

Ex. Seattle Washington

**Cold Ocean Currents** bring cold water that does not evaporate. Therefore there is no moisture to bring clouds and rain. Cold ocean currents bring in dry weather.

Example: southern California

How are cities found off the coast affected by oceans.

Oceans to not influence rain fall in the middle of the country.

Do Now #3 AIR PRESSURE

Poster: Lots of surface area will give the earth lots of air pressure.

Air pressure: High pressure (balloon) will move to low pressure. Weather always a cold front with high pressure will move toward a low pressure warm front.

Spiral: Light heated the air above…less dense warm air lifts up and air molecules spread out. This air rising acted like wind by move the spiral.

Jet Steam carries weather …from West coast to east