2.3 Most clouds form as air rises and cools. Review:
<ol> <li>Does wind move horizontally or vertically?</li> </ol>
2. Does warm air rise or sink?
3. Does air move from low to high pressure areas or from high to low?
4. What does the Coriolis effect cause in relation to earth's weather?
Water is always in the atmosphere. When temperature
changes, water changes
<ul><li>: the process by which a liquid changes into a</li></ul>
<ul><li>: is the process by which a gas, such as water vapor</li></ul>
changes into a
• to
Earth's surface.
Humidity and Relative Humidity
Humidity is the amount of in the air. Humidity varies
from place to place and from time to time. On hot sunny days with high humidity it
is to be outside because the water vapor does not
evaporate from your skin because there is too much water and
not enough evaporating happens when the rate of
evaporation and condensation are equal. The amount of water in the air at
saturation depends on the of the air. The warmer air is,

the more water vapor it takes to saturate it. Scientists describe the humidity of air in two different ways.

<ul><li>Relat</li></ul>	tive humidity:
0	compares the amount of water vapor in air with the
	be present at that temperature. For example, air with 50 percent
	relative humidity has half the amount of water needed for saturation.
	If the amount of water vapor in air stays the same, relative humidity
	will decrease as the air heats up and increase as the air cools.
	Point: is the at which air with a given amount of water
O	vapor will reach For example, air with a dew point
	of 79 degrees will become saturated if it cools to 78.8 degrees. The
	the dew point of air, the more water vapor the
	air contains.
Clouds are	caused by warm air in the atmosphere as it
	Location affects what clouds are made of. Clouds at
	in the troposphere are made of crystals.
Clouds clos	ser to earth's surface are make of
	droplets.
Cirrus Clou	uds:
•	
•	
•	
•	

Cumulus Clouds:

- lacktriangle

## Stratus Clouds:

- lacksquare
- •
- •

## Fog:

- •

## Types of Precipitation:

- 1. Rain: we know
- 2. Freezing Rain: (freezes when it hits the ground) can cover roads and sidewalks and cause trees to fall
- 3. Sleet: when rains freezes before it hits the ground.
- 4. Snow: we know
- 5. Hail: Lumps or balls of ice that fall from clouds. During a thunderstorm violent air currents hurl ice pellets around in clouds. Large hailstones can cause large amounts of property damage. The biggest hail stone in u.s. history was 1.7 pounds and as wide as a DVD.