What is Weather?

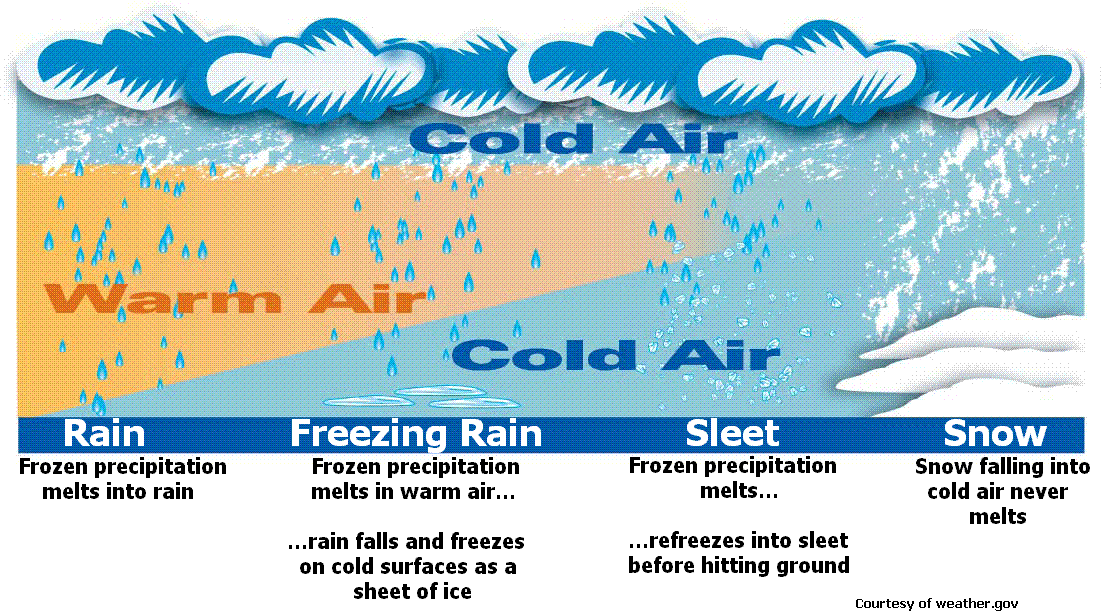
* Weather is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ of the atmosphere
* This includes:
  + - Air pressure
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - Temperature
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is Humidity?

* Humidity is the amount of \_\_\_\_\_\_\_\_\_\_\_\_\_ in the air
* \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ – the amount of water in the air compared to how much it could hold
  + - \_\_\_\_\_\_\_\_\_\_\_\_\_ air can hold more water than \_\_\_\_\_\_\_\_\_\_\_\_ air
    - Saturated – 100% humidity
* \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ – temperature at which air is saturated and condensation occurs

What are clouds?

* Clouds are small drops of \_\_\_\_\_\_\_\_\_\_ floating in air – formed as \_\_\_\_\_\_\_\_\_\_\_ air is forced up, and the water vapor cools
* \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ collects around small particles of dust, salt, and smoke (called a cloud nuclei)
* Classified by \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_



Precipitation

|  |  |
| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_ | Drops of water; fall when air is above freezing |
| \_\_\_\_\_\_\_\_\_\_\_\_ | Ice crystals form in clouds |
| \_\_\_\_\_\_\_\_\_\_\_\_ | Snow passes through warm air, melts, then refreezes near the ground |
| \_\_\_\_\_\_\_\_\_\_\_\_ | Recycled sleet gathering additional layers of ice |

Clouds - **Stratus**

* Form \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_ layers; made when air cools below dew point
  1. Form at \_\_\_\_\_\_\_\_\_ altitudes
  2. Bring light drizzle
  3. When air is cooled and condenses near ground – called \_\_\_\_\_\_\_\_\_\_



Clouds - **Nimbus**

* Dark clouds associated with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  1. Saturated with water



Clouds – **Cumulous**

* Puffy white clouds with flat bottoms
  1. Formed when air currents \_\_\_\_\_\_\_\_\_
  2. Large ones are major \_\_\_\_\_\_\_\_\_\_\_\_\_ clouds (cumulonimbus)



Clouds – **Cirrus**

* Thin, high, white and \_\_\_\_\_\_\_\_\_\_\_\_\_ looking
  1. Made of \_\_\_\_\_\_\_ crystals
  2. Associated with \_\_\_\_\_\_\_\_ weather

