

Weather

Climate -Average temperature, precipitation

Weather- Temperature, precipitation, wind happening right now

Temperature - Measured with a thermometer

- Units are degrees Fahrenheit (F), Celsius (C), or Kelvin (k)
- Temperature is how hot or cold something is

Precipitation - Water falling from clouds in different forms

- All precipitation starts out as snow
- It can melt on its way down

Wind- When air moves from one place to another

- Air moves to balance out temperatures
- An air mass is an area where the air is either warm or cold
 - air masses can also have a lot of water or a little water
- Precipitation occurs when a warm air mass collides with a cold air mass

Wind causes the weather -without wind, there is no weather

Types of Precipitation

Snow - Frozen water falling from clouds

- All precipitation starts as snow

Rain - Starts as snow, and melts in the sky

Hail and Sleet - Start out as snow, then melts and turns into rain, then freezes again, turning into frozen raindrops

Freezing rain - Stays as rain until it touches the ground, then it freezes

Air Masses & Fronts

- A large area of air with the same temperature and amount of water
- Air masses that develop over oceans have a lot of water
- Air masses that develop over land have a little bit of water
- Air masses that develop near the equator are warm
- Air masses that develop near the north and south poles are cold