

# Weather Study Guide




- **weather**- what the air is like outside.
- **temperature**- how hot or cold the air is.
- **wind**- moving air
- **flood**- a large amount of water that flows over the land.
- **drought**- a period of dry weather that leads to a water shortage.
- **precipitation**- any form of water that falls from the sky.

## There are 4 types of Precipitation





<b>Snow</b>	White ice crystals that form when water vapor freezes in the air.
<b>Rain</b>	Water that falls in drops.
<b>Hail</b>	Small balls or pieces of ice.
<b>Sleet</b>	Frozen rain drops.



## Tools to Measure Weather

<b>thermometer</b>		tells the temperature
<b>wind vane</b>		tells the direction the wind is blowing
<b>rain gauge</b>		tells the amount of rain that has fallen

## There are 4 types of Hazardous Storms

<p><b>Thunderstorm</b></p> 	<p>A storm with rain, thunder, and lightning.</p>
<p><b>Tornado</b></p> 	<p>A funnel shaped cloud with strong winds.</p>
<p><b>Hurricane</b></p> 	<p>A storm with strong winds, heavy rains and a calm center called an "eye".</p>
<p><b>Blizzard</b></p> 	<p>A storm with heavy snow and strong winds.</p>

## The Water Cycle

- **water cycle**- the way water moves from the air to land and back again.

The Water Cycle has four stages. **A.** First the water that has collected on the ground evaporates (when a liquid turns into a gas) into the air. **B.** This gas or water vapor condenses (when a gas turns into a liquid) into tiny drops of water and they form clouds. **C.** The water drops become heavy and fall as rain or snow (precipitation). **D.** The rain and melted snow accumulate on the ground.

