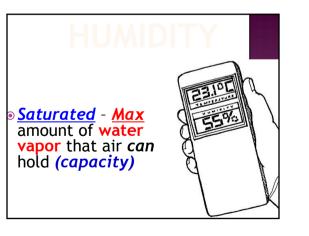
WATER IN THE **ATMOSPHERE**

Chapter 18.1

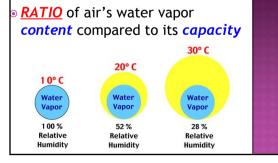
- Carbon Dioxide = Increases global temps
- Water Vapor = Source of condensation and precipitation
- Greenhouse Gases (Absorbs heat energy)
- Leads to Greenhouse Effect (Traps Sun energy in lower atmosphere)

Quantity of water vapor in air (content)



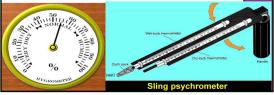






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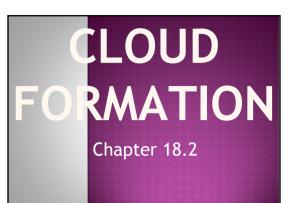
- Hygrometer Moisture content in atmosphere
- <u>Psychrometer</u> dry-bulb/wet-bulb thermometers
- Measures difference in temp



DEW POIN

<u>Temp</u> to which <u>air</u> needs to
be <u>cooled</u> to reach <u>saturation</u>



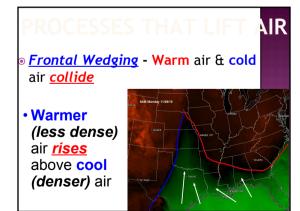




Orographic Lifting - Wind encounters a mtn and travels <u>UP</u>

Air <u>expands</u> & <u>cools</u> producing clouds





PROCESSES THAT LIFT AR • Localized Convective Lifting - Surface air <u>warmer</u> than surrounding air due to unequal heating of Earth

