Air moves from high-pressure te to pressure areas



Atmospheric Circulation (Convection)

The warm air at the equation rises in the atmosphere and goes towards the poles where it drops down.
The cold heavy air from the poles moves toward the equator

 The motion is due to energy variations caused by the sun's radiation and the rotation of the

Earth.



Air Masses

 Air Masses are enormous expanses of air the movepage together and interact with other air masses to create weather patterns.



They have relatively uniform temperatures and humidity that come from where they formed: Forms over warm ocean: Hot-moist Forms over arctic continent: cold-dry

• A tropical storm with viewent winds revolving around a low pressure senter.





Depletion of ozone layer

- 1. What chemicals threaten the other layer?
- CFC's, which are found in order air conditioners and refrigerators, refease C_1 for the stratosphere. preview Eace $C_1 + O_2 => ClO+O_2$

 $CIO+O => O_2 + CI$

Cl is recycled and free to attack more ozone.



Solar Radiation

- Solar Energy is caused by nuclear fusion of hydrogetesa atom into helitinoatom inf 5 the spne page
- 75% Hydrogen
- 25% Helium
- 15 million degrees Celsius
- Electromagnetic wave energy
- <u>Kinds of Radiation that reach</u> <u>Earth's surface:</u>
- Infrared, UV, Visible light







- Sunny side windows with concrete to absorb heat and release it later Increases the heating efficiency of the house but much is lost through windows,
 - roof, walls.



