

## Energy in the Atmosphere

- Earth's systems have internal and external heat engines, which create heat.

  o Internal: friction, radioactivity left our neat from formation.

- o External: Sur:

  Of a Distriction the heating of the atmosphere from the sun.
- The transfer of energy from the unosphere, hydrosphere, and the Earth's interior results in the formation of regions with different Gallsities
- Density differences between regions results in motion of air and weather.

## Hazardous Weather

- Loss of property, personal injury, and less of life can be reduced by effective emergency preparedness. Intil delictoring - updrafts and downdrafts of air occur because of unequal heating.
- Strong up and down drafts keep wasp down movements Platrica or droplets up in the air 1011961 Because of the up and charges build up
- Stay away from the Sparks are given off in the form of
- thunderstorms (from hot/wet air mixing with cold/dry air). are small, basef disturbences that usually develop over land from intense T in the form of hit will fig.
- Narrow 100 feet in diameter, can last up to an hour, wind speeds up to 320 mph
- Go into the basement, cover your head and body, stay away from windows
- Occur in the Sprint and Shim was in the plains and in the SE.
- swirling wind mass. HUSFICAMES regions of very low pressure, cyclones, that form over open water, huge
- Lose energy as they wavel over lange
- Occur from 14 mph or more, storm surges, causes massive flooding to 11011 phong the SE coastlines.