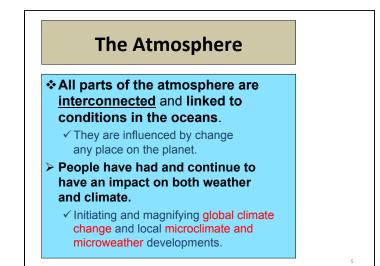


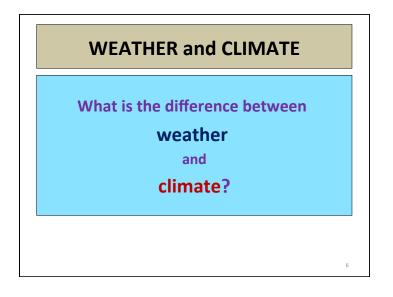
PART II: People and their Physical Environment Introduction to the Physical Environment ✓ I. ✓ II. Earth-Sun Relationship III. Earth Systems ✓ A. The Hydrosphere: Oceans **B.** The Atmosphere: Weather and Climate C. The Lithosphere: Geologic Influences IV. Earth Habitat A. Biosphere B. Natural Controls and Cycles C. Human Impact D. Natural Hazards E. Earth Resources

THE ATMOSPHERE

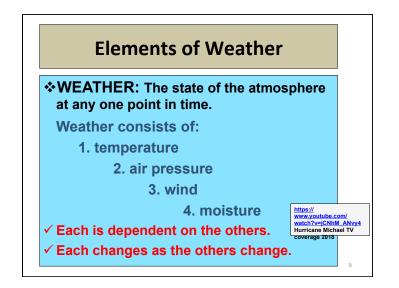
✓ We need to be <u>aware of</u> and <u>understand</u> atmospheric processes: decision making.

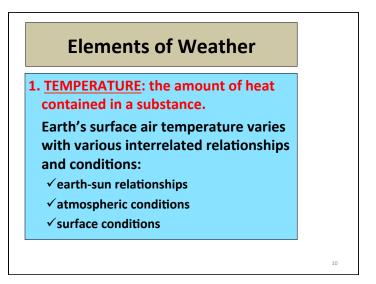
- ✓ All life is dependent on <u>favorable conditions</u> in the atmosphere: chemical composition, air pressure, temperature, humidity and air movement.
- The atmosphere is a <u>shield</u>: it protects us from meteorites, UV rays and heat loss.

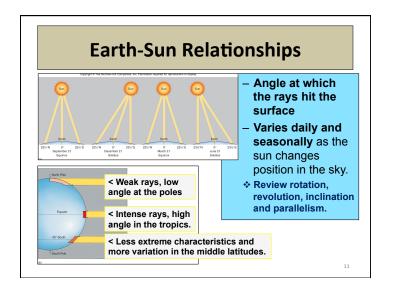


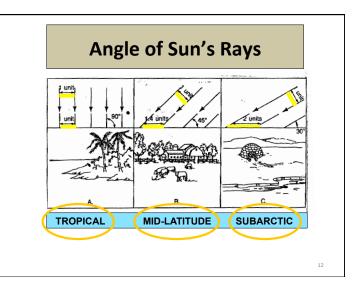


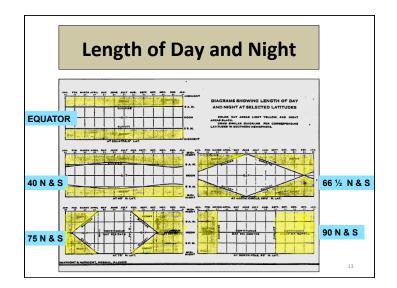
WEATHER **CLIMATE *WEATHER:** The state of the atmosphere at any one point in time. **CLIMATE:** The average of all weather events at a particular location over a long period There are 4 parts to weather: *What are they?* (50+ yrs) of time. Temperature Air pressure ✓ Climates change naturally as weather events change in relation to earth-sun relationships. Wind > Climate maps show the distribution of averaged data. Moisture > Climographs give us snapshots of the climate > Weather forecast or prediction is an attempt to guess characteristics of individual locations. what it will be like in the future based on models constructed from recorded sequential events in the past.

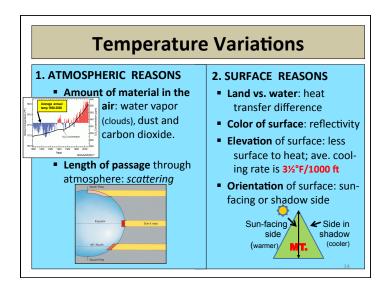


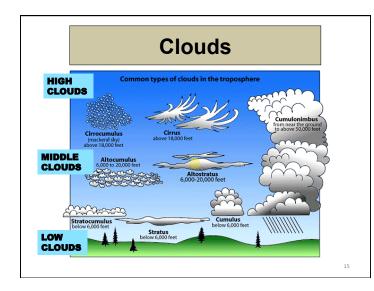


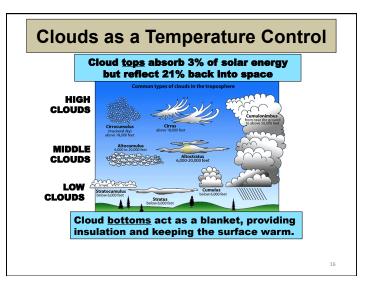


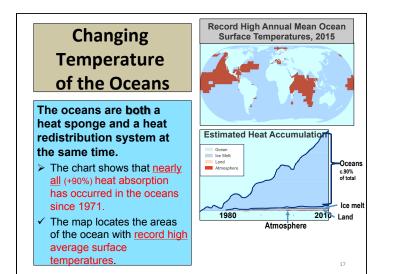


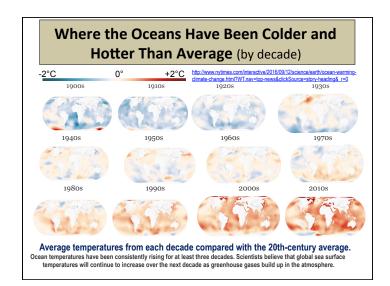


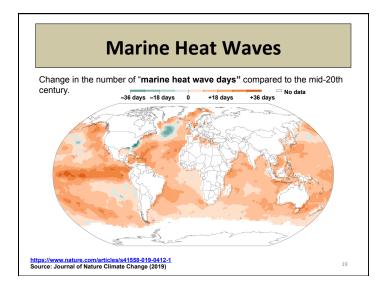


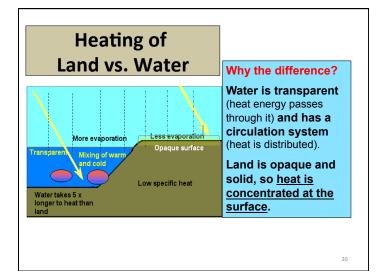


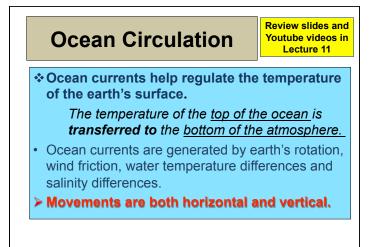


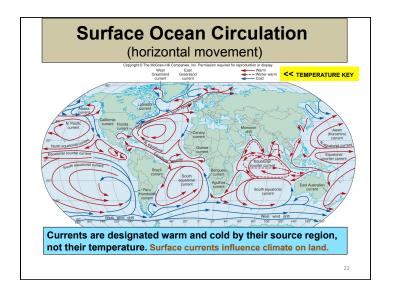


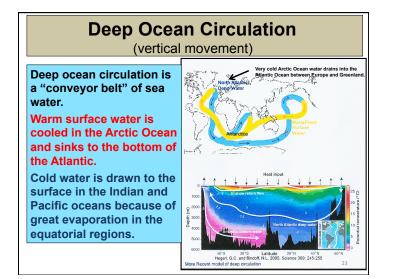


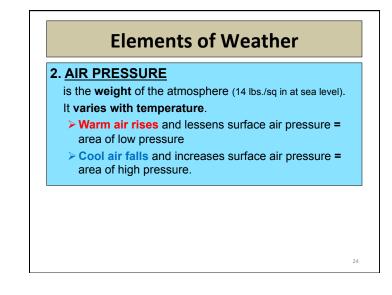


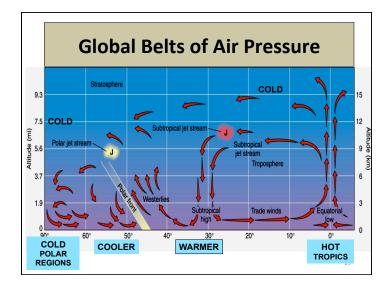


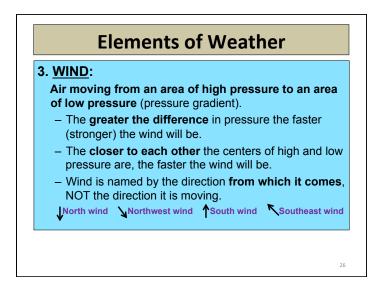












Wind Systems

<u>Wind Systems</u>: Areas where wind blows in a unique and predictable fashion based on pressure gradients.

- o Global wind systems.
- o Regional wind systems.
- Local wind systems.

