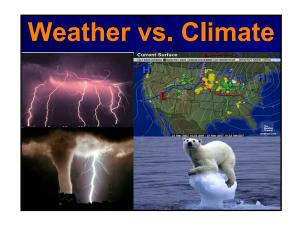
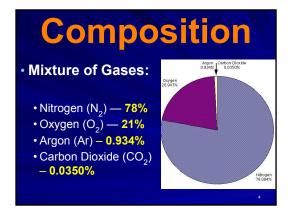
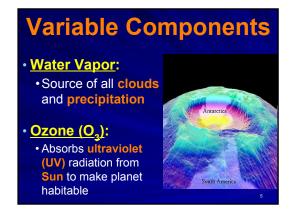
Unit 7 - Chapter 17.1

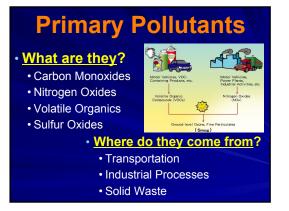
Atmosphere
Characteristics

Weather vs. Climate • Weather — State of atmosphere at a given time and place • Constantly changing • Climate — Weather patterns collected over many years • Describes a place or region

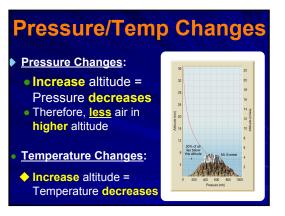


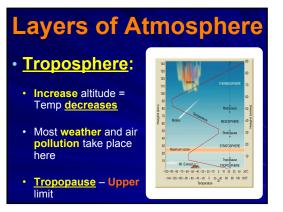


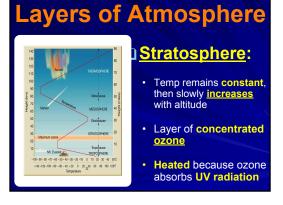


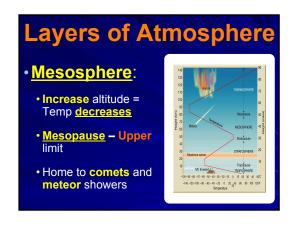


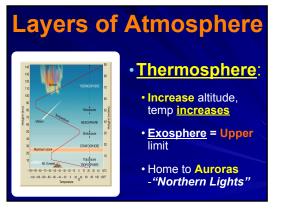


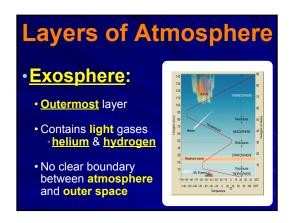


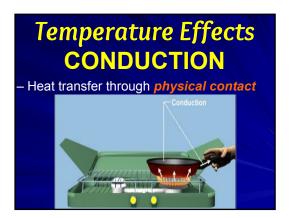


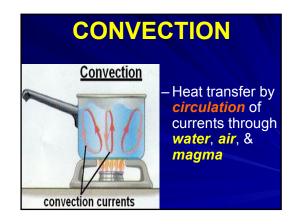


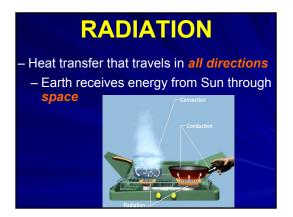


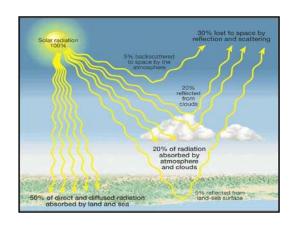




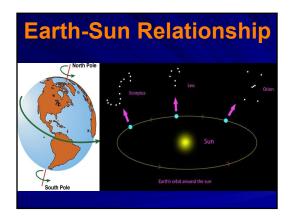








Energy that drives Earth's weather and climate comes from the Sun Earth has two principal motions: Rotation: Spins on axis at 23.5° Revolution: Earth's elliptical orbit around Sun



Earth's Orientation

- · Seasonal Changes:
 - Earth's **position** relative to Sun **changes** as it travels along its **orbit**
- Earth's Axis:
 - Remains pointed toward North Star as it orbits around Sun
 - Therefore, position of axis to Sun's rays is constantly <u>changing</u>

