

ATMOSPHERE UNIT
Mrs. Ramos and Mr. Bartram

4/19 Notes: Atmosphere components & Outdoor pollution -Air pollutant lab HW: Outline Chapters 19 & 20	4/20 -Notes: Air Pollution -Air Pollutant Lab - Decomposition Lab Due	4/21 Analyze Data & Write-up Notes: Global warming causes & effects -Video: Inconvenient Truth - Cookie Lab Due	4/22 Inconvenient Truth Chapter Outlines Due Atmosphere Qs Due	4/23 Test
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Outlines

Chapter 19:

All, include Core case study on lichen, Qs: none

Chapter 20:

-All, Qs: none

Air Pollutant LAB HINTS: Lab should go in lab book.

Overall Goals:

ATMOSPHERE

1. Layers of the Atmosphere
 - a. Name of layer, temperature, ozone presence
 - b. Main gases in the troposphere
 - c. Functions of troposphere and stratosphere
2. Outdoor Pollutants
 - a. Primary Pollutants: examples, sources, effects
 - b. Secondary Pollutants: examples, sources effects
 - c. PM: importance of size and relationship to health
 - d. Factors that increase outdoor air pollution
 - e. Factors that decrease outdoor air pollution
 - f. Role of convection cells in outdoor pollution
 - g. What is a thermal inversion, what causes it, why bad?
3. Legislation: Clean Air Acts
4. Ways to reduce air pollution
5. Indoor Pollutants
 - a. Examples, sources, effects
6. Ozone and Global Warming
 - a. What is ozone?
 - b. How is ozone formed?
 - c. Difference between tropo and stratosph. Ozone
 - d. What is global warming?
 - e. Causes of global warming?
 - f. Effects of global warming?
 - g. Legislation: Kyoto Protocol