**Automotive Technology 7th Edition**

**Chapter 7 – Health and Environmental Concerns**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Carbon-Based Fuels, Ozone, Ultraviolet Radiation Absorption, and Health Effects of Air Pollution

2. Acid Rain, and Carbon Footprint

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**OBJECTIVES:**

1. Identify carbon-based fuels and greenhouse gases.

2. Explain how ozone affects our environment.

3. Explain how ultraviolet radiation affects our environment.

4. Describe the health effects of air pollution.

5. Describe the health effects of acid rain.

6. List the fact

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**RESOURCES:** (All resources may be found at jameshalderman.com)

1. Task Sheet: Emission and Chemical Identification

2. Task Sheet: Emission Label Terms

3.. Chapter PowerPoint

4. Crossword Puzzle and Word Search

5. Videos: [(A0) Automotive Fundamentals Videos](https://jameshalderman.com/a0_vid_lib_page/)

6. Animations: [(A0) Automotive Fundamentals Animations](https://jameshalderman.com/a0_anim_lib_page/)

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**ACTIVITIES:**

1. Task Sheet: Emission and Chemical Identification

2. Task Sheet: Emission Label Terms

3. Crossword Puzzle and Word Search

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**ASSIGNMENTS:**

1. Chapter crossword and word search puzzles from the website.

2. Complete end of chapter quiz from the textbook.

3. Complete multiple choice and short answer quizzes downloaded from the website.

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**CLASS DISCUSSION:**

1. Review and group discussion chapter Frequently Asked Questions and Tech Tips sections.

2. Review and group discussion of the five (5) chapter Review Questions.

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**NOTES AND EVALUATION:**

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