**Automotive Technology 6th Edition**

**Chapter 70 –** **Diesel and Biodiesel Fuels**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Diesel fuel, biodiesel, and E-diesel fuel

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**OBJECTIVES:**

1. Explain diesel fuel specifications and API gravity.

2. List the advantages and disadvantages of biodiesel.

3. Explain e-diesel specifications.

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**RESOURCES:** (All resources may be found at <http://www.jameshalderman.com>) Internet access required to hyperlink.

**1.** **Task Sheet**: Diesel Fuel

**2**. **Task Sheet**: Biodiesel Fuel

3. Chapter PowerPoint

4. Chapter Crossword Puzzle and Word Search

5. Videos: [(A9) Light Diesel Videos](https://jameshalderman.com/a9_vid_lib_page/)

6. Animations: [(A9) Light Diesel Animations](https://jameshalderman.com/a9_anim_lib_page/)

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**ACTIVITIES:**

**1.** **Task Sheet:** Have students complete Diesel Fuel Task Sheet.

**2.** **Task Sheet**: Have students complete Biodiesel Fuel Task Sheet.

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**ASSIGNMENTS:**

1. Chapter crossword and word search puzzles.

2. Complete end of chapter 10 question quiz.

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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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