

Automotive Technology 7th Edition

Chapter 17 – Antifreeze and Coolant

Lesson Plan



CHAPTER SUMMARY:

1. Coolant Fundamentals, Types of Coolant, Water, and Coolant Freezing/Boiling Temperatures
2. Coolant Testing and Coolant Replacement Issues



OBJECTIVES:

1. Discuss coolant fundamentals.
2. Compare the different types of coolant.
3. Discuss water as coolant.
4. Discuss coolant freezing/boiling temperatures.
5. Discuss coolant testing.
6. Discuss coolant replacement issues.



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

1. Task Sheet: Antifreeze and Coolant Information
2. Task Sheet: Test and Replace Coolant
3. Chapter PowerPoint
4. Crossword Puzzle and Word Search
5. Videos: [\(A1\) Engine Repair Videos](#)
6. Animations: [\(A1\) Engine Repair Animations](#)



ACTIVITIES:

1. Task Sheet: Antifreeze and Coolant Information
2. Task Sheet: Test and Replace Coolant
3. Crossword Puzzle and Word Search



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.



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](#).



NOTES AND EVALUATION: