

Drive Right
Chapter 17 Review Questions

Name: _____ Date: _____ Period: _____

REVIEWING CHAPTER OBJECTIVES:

1. MAINTAINING THE POWER SYSTEMS

1. What are the signs that repairs are needed for the power and drive systems, lubrication and cooling systems, and fuel and exhaust systems? (356-357)

2. What steps should you follow to start a vehicle that has a dead battery? (358-359)

2. MAINTAINING THE CONTROL SYSTEMS

3. What are the signs that repairs are need for the steering, brake, and suspension systems? (363-369)

4. How can you maintain tires for longer wear? (366)

3. PREVENTATIVE MAINTENANCE

4. What are the preventive maintenance checks to make before and after starting the vehicle, while driving, and when fueling or servicing the vehicle? (368-369)

5. How can you find a qualified mechanic or technician? (369)

4. FUEL-SAVING AND RECYCLING STRATEGIES

5. In what ways can you improve a vehicle's fuel efficiency? (370)

6. How do you calculate miles per gallon of fuel consumption? (370)

7. What are the strategies for recycling automotive-related materials? (372)

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CHAPTER TEST:

CHECK YOUR KNOWLEDGE

Multiple choice Copy the number of each sentence below on a sheet of paper. Choose the letter of the answer that best completes the statement or answers the question.

1. A vehicle's gears are housed in the
 - (a) powerplant.
 - (b) transmission.
 - (c) drive shaft.
 - (d) transaxle.

2. When jump starting a vehicle that has a dead battery
 - (a) make sure that both batteries are the same voltage
 - (b) warm the battery up first if frozen.
 - (c) start the vehicle with the good battery first
 - (d) all of the above

3. The master cylinder is found in a vehicle's
 - (a) steering system.
 - (b) suspension system.
 - (c) traction control system.
 - (d) brake system

4. Preventive maintenance is
 - (a) caring for vehicle on an ongoing basis.
 - (b) caring for a vehicle once trouble begins.
 - (c) overhauling the engine.
 - (d) none of these

Completion After each number, write the word or words that complete the sentence correctly.

5. The _____ controls the flow of coolant to the radiator.

6. In rear-wheel vehicle, the _____ carries power to the differential.

7. A vehicle's catalytic converter converts harmful gases into less harmful gases and _____.

8. A power steering system uses a _____ pump and fluid to make steering easier.

REVIEW VOCABULARY

Match the definition in the list A with the term it defines in list B. Write the letter before the definition it matches.

LIST A

- _____ 9. engine part that mixes air and gasoline and sends it as a fine mist to the engine cylinders
- _____ 10. tire that has special layers added to a bias-ply tire for improved strength, performance, and mileage
- _____ 11. part of the cooling system that holds and cools the coolant
- _____ 12. arrangement of gears at the rear of the vehicle allowing one wheel to revolve faster than the opposite wheel during turns
- _____ 13. device that reduces the noise from combustion sounds in the engine
- _____ 14. device that generates an electrical current needed to recharge the battery and operative electrical equipment in a vehicle

List B

- (a) radiator
- (b) differential
- (c) carburetor
- (d) belted tire
- (e) alternator
- (f) muffler

THINK CRITTIALLY

Write a paragraph to answer each question.

1. What happens if you fail to perform preventive maintenance on your vehicle?

2. Why is it important to recycle some of the automotive materials used to operate vehicle?
How can you go about recycling these materials?