

Pick a Word

Use the words in the box to complete each statement below.

| | |
|---------------------|---------------------------------|
| alternative fuel | electronic control module |
| budget | muffler |
| catalytic converter | Variable Ride-Height Suspension |

1. _____ come from resources other than petroleum and are reducing our dependence on imported oil. _____
2. All modern vehicles have a computer or _____ located in the engine compartment that controls your engine's efficiency. _____
3. _____ are used in the exhaust system to reduce the levels of nitrogen oxides, which the sun heats into smog. _____
4. When considering your _____, you must understand the real cost of owning a vehicle. _____
5. The _____ raises or lowers the ride height of the vehicle while it is in motion. _____
6. The _____ reduces the noise from combustion sounds in the engine. _____

Costs of Owning a Vehicle

List some of the *major* expenses of owning a vehicle.

1. _____
2. _____
3. _____
4. _____
5. _____

List some of the operating costs of owning a vehicle.

6. _____
7. _____
8. _____
9. _____
10. _____

Correct or Incorrect

Read the statements below and check whether the statement is correct or incorrect.

1. Changing the oil is the key to keeping your vehicle in good running condition.
2. Carburetors are replacing fuel injection systems in newer cars because they increase performance and decrease fuel consumption.
3. A battery contains a strong acid that can cause severe injury.
4. Windshield wiper fluid is an appropriate substitution for coolant.
5. Static electricity can spark a fire or explosion.
6. Leaking purple fluid is an indication of a broken transmission seal.
7. There are two types of brakes: disk brakes on the front wheels, and snare brakes on the rear wheels.
8. Periodically check tire pressure when tires are warm.
9. When a wear bar is visible, replace the tire.
10. A tire with a traction grade of C has better traction performance than a tire with a grade of B.

| | Correct | Incorrect |
|-----|---------|-----------|
| 1. | | |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

Test Your Knowledge

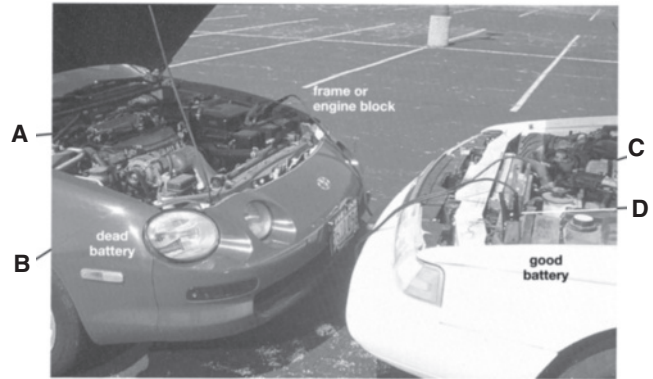
Complete each of the following statements.

1. You should avoid touching battery fluid because it _____ that can burn your skin. _____
2. You should _____ the tires regularly to promote even wear. _____
3. _____ pressure causes tires to wear quickly and can cause tire failure. _____
4. Many cars use fuel most efficiently at a speed of _____.
5. For every increase in speed above 70 mph, most cars pay a mileage penalty of _____ mpg. _____

Use the Picture

Use the picture on the right to list the four steps (by letter) for connecting jumper cables.

- _____ 1. First connection
- _____ 2. Second connection
- _____ 3. Third connection
- _____ 4. Fourth connection



Test Your Knowledge

Check the box to the right that best applies to each statement below.

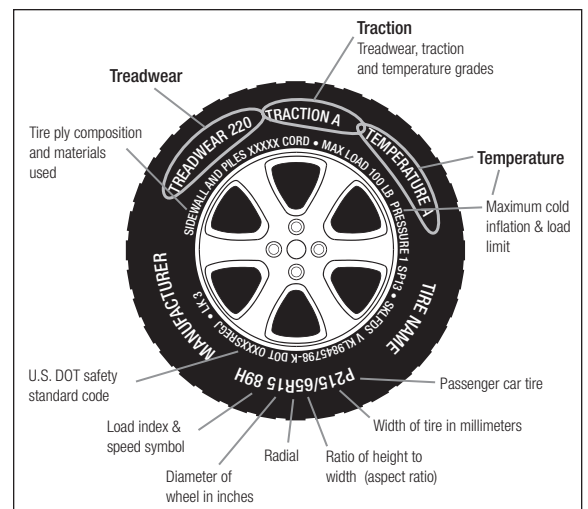
- 1. Probably best selection of high-quality used vehicles due to trade-ins on new vehicles
- 2. Usually less expensive to insure
- 3. Experience quick depreciation
- 4. Largest variety of used vehicles
- 5. Dealer might not have repair facilities
- 6. Price probably will be highest of all
- 7. A warranty is usually offered
- 8. Usually gives lowest price
- 9. Dealer seldom provides a warranty
- 10. Also offers a lease along with a buy option

| | Used-Car Dealer | New-Car Dealer |
|-----|-----------------|----------------|
| 1. | | |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

Study the Diagram

Identify the part of the tire that matches each statement.

- _____ 1. Federal laws require tire manufacturers to place standardized information here.
- _____ 2. The higher the grade (60–500), the longer this should last.
- _____ 3. Ratings are based on the tire’s ability to stop on wet concrete or asphalt. The higher the grade (AA to C) the better.
- _____ 4. Tires become unsafe when this is down to 1/16 of an inch and the wear bars are seen.
- _____ 5. Ratings A–C (A is highest) are an indication of a tire’s resistance to heat.



Alternative Fuels

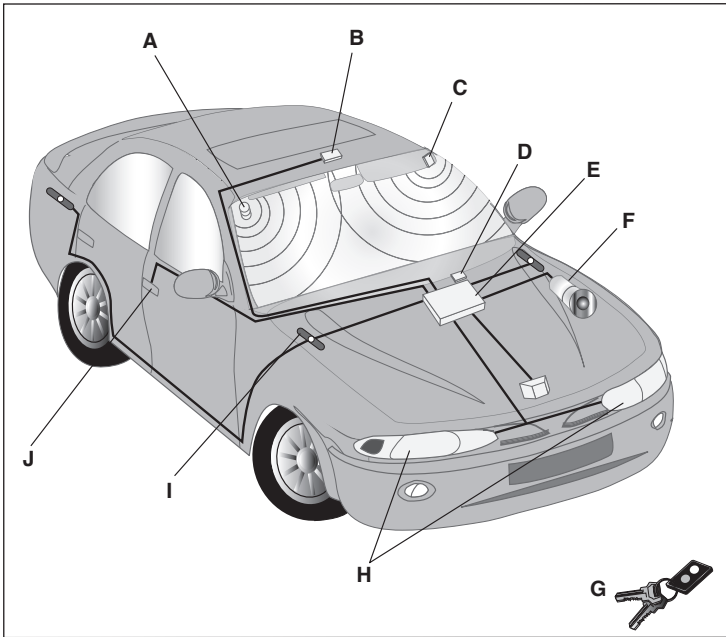
Match the statement to the type of alternative fuel that it best describes.

| | |
|-----------|-------------|
| biodiesel | natural gas |
| ethanol | propane |
| hydrogen | |

- 1. produced domestically from corn and other crops _____
- 2. also called liquefied petroleum gas _____
- 3. can be produced from fossil fuels. Vehicles powered by this fuel emit **no** harmful air pollutants. _____
- 4. derived from vegetable oils and animal fats _____
- 5. is a fossil fuel that generates less air pollutants _____

Use the Picture

Study the illustration. Use your textbook to select the letter that identifies the parts of a car alarm.



- _____ 1. interior pressure sensor
- _____ 2. alarm brain
- _____ 3. keycode receiver
- _____ 4. shock sensor
- _____ 5. crossover unit
- _____ 6. door sensor
- _____ 7. alarm speaker
- _____ 8. lights
- _____ 9. microphone sensor
- _____ 10. interior light