1. Technician A says that the intake valve is closed during the power stroke. Technician B says that the exhaust valve is closed during the compression stroke. Who is right?

a. Technician A

b. Technician B

c. Both A and B

d. Neither A nor B

Answer**: C**

**See** Engine Parts and Operation

2. Which of the following is/are true about fuel systems?

a. Fuel injection has replaced the carburetor on modern engines.

b. Fuel injection provides for more accurate control of exhaust emissions.

c. To burn, gasoline must be mixed with air to form a vapor.

d. All of the above.

Answer**: D**

**See** Engine Support Systems

3. Which of the following is/are true about diesel engines?

a. Diesel engines do not compress the air in the cylinder as much as gasoline engines do.

b. Diesel timing is controlled by when the fuel is injected into the cylinder.

c. Diesel engines have spark plugs similar to the ones used in gasoline engines.

d. All of the above.

Answer**: B**

**See** Engine Support Systems

4. Technician A says that an ignition spark is 12 volts. Technician B says that the spark happens just after the power stroke begins. Who is right?

a. Technician A

b. Technician B

c. Both A and B

d. Neither A nor B

Answer**: D**

**See** Engine Support Systems

5. Technician A says that most rear-wheel-drive cars have a transaxle. Technician B says that front-wheel-drive cars have two driveshafts. Who is right?

a. Technician A

b. Technician B

c. Both A and B

d. Neither A nor B

Answer**: B**

**See** The Powertrain

6. Technician A says that gears are changed to increase or decrease engine torque. Technician B says that the majority of new cars have automatic transmissions. Who is right?

a. Technician A

b. Technician B

c. Both A and B

d. Neither A nor B

Answer**: C**

**See** The Powertrain

7. Technician A says that a steam engine is an external combustion engine. Technician B says that a four-stroke piston engine is an internal combustion engine. Who is right?

a. Technician A

b. Technician B

c. Both A and B

d. Neither A nor B

Answer**: C**

**See** Accessory Systems

8. All of the following are true about the four-stroke cycle gasoline engine EXCEPT:

a. It is called an Otto-cycle engine.

b. During the compression stroke, both valves are closed.

c. It is a compression-ignition engine.

d. Piston movement from the top of the cylinder to the bottom is called a stroke.

Answer**: C**

**See** Engine Parts and Operation /Accessory Systems

9. Technician A says that Model Ts were all black. Technician B says that the 12-volt electrical system has been standard on American cars since 1940. Who is right?

a. Technician A

b. Technician B

c. Both A and B

d. Neither A nor B

Answer**: D**

**See** Accessory Systems

10. Technician A says that CAFE standards govern vehicle emissions. Technician B says that CAFE standards govern fuel economy. Who is right?

a. Technician A

b. Technician B

c. Both A and B

d. Neither A nor B

Answer**: B**

**See** Accessory Systems