

Name: _____

Date: _____

1. What major development was introduced in the year 1876 related to vehicle engines?
 - A. The invention of the first automobile.
 - B. Rudolf Diesel received a patent for a compression ignition engine.
 - C. Henry Ford built his first car.
 - D. The OTTO four-stroke cycle engine was developed.

2. Which of the following statements about 1900 automobile sales is FALSE?
 - A. 40% of automobiles sold were steam powered.
 - B. 22% of automobiles sold had a battery/electric power source.
 - C. Oldsmobile produced the first affordable large-scale vehicle.
 - D. 38% of automobiles sold were gasoline engine powered.

3. In what design are the valves located in the engine block, causing the cylinder head to merely cover the combustion chamber?
 - A. Inline design.
 - B. Overhead camshaft (OHC) design.
 - C. Flathead design.
 - D. Overhead valve (OHV) design.

4. What is NOT true regarding the chassis system of a vehicle?
 - A. It includes the frame or body of the vehicle to support the suspension and steering components.
 - B. Drum brakes are only used on the front of most vehicles.
 - C. The braking system stops the vehicle by halting the rotation of its wheels.
 - D. The suspension system ensures a smooth ride and helps keep tires on the road.

5. Which of the following advancements in engine design was primarily driven by the need for reduced emissions and greater fuel economy?
 - A. The introduction of the overhead valve (OHV) design.
 - B. The use of a spark in gasoline engines.
 - C. The development of electronic ignition systems.
 - D. The change from an inline design to a V-type design.

6. Which of the following statements is true about engine cooling systems?
 - A. A thermostat in the coolant passage closes until the coolant needs cooling.
 - B. The coolant consists of water only.
 - C. Older engines in production are air-cooled.
 - D. The radiator releases heat into the coolant.

7. The fuel system in modern vehicles includes all of the following components EXCEPT:
 - A. Fuel tank
 - B. Fuel vaporizer
 - C. Fuel injectors
 - D. Electronic control of the fuel pump

8. Which emission control system is designed to prevent gasoline fumes and vapors from being released into the atmosphere?

- A. PCV
- B. EGR
- C. EVAP
- D. Catalytic converter

9. In a rear-wheel-drive vehicle's powertrain, which component is responsible for increasing the torque applied to the rear drive wheels and contains a differential that allows for different axle speeds when cornering?

- A. Driveshaft
- B. Drive axle
- C. Transmission
- D. Transaxle

10. Which historical development made the use of a battery commonplace in vehicles?

- A. The invention of the magneto
- B. The invention of battery-powered lights
- C. The widespread use of radios in the 1920s
- D. The introduction of the self-starter in 1912

Automotive Technology 7th Edition

Chapter 1

Multiple Choice Quiz B

Answer Key

1. D

2. C

3. C

4. B

5. C

6. A

7. B

8. C

9. B

10. D