

Name: _____

Date: _____

1. Before the advent of electric, steam, and gasoline propulsion systems, how did humans primarily move around for transportation?

- A. Used trains
- B. Rode bicycles
- C. Either walked or used animals
- D. Used self-propelled vehicles

2. Who developed the four-stroke cycle engine in 1876?

- A. Henry Ford
- B. Rudolf Diesel
- C. Karl Friedrick Beary
- D. Nikolaus Otto

3. Which of the following is NOT true about the year 1900 in terms of automobiles sold?

- A. Battery/electric powered vehicles were the least sold.
- B. Gasoline engine powered vehicles made up about a fifth of sales.
- C. Steam powered vehicles were the majority at 40%.
- D. More than half of the vehicles sold were gasoline engine powered.

4. In what year did Rudolf Diesel receive a patent for a compression ignition engine?

- A. 1876
- B. 1885
- C. 1892
- D. 1896

5. Which company was responsible for producing the first large-scale, affordable vehicle in 1902?

- A. Ford
- B. Oldsmobile
- C. OTTO
- D. Diesel Auto

6. What primarily differentiates older engines from those currently in production in terms of cooling?

- A. The use of antifreeze in the coolant.
- B. The presence of a water pump.
- C. Some engines were air cooled while current engines are liquid cooled.
- D. The use of a thermostat in the coolant passage.

7. How is the purpose of the lubrication system in engines best described?

- A. To increase friction in the engine.
- B. To regulate engine temperature.
- C. To reduce friction and assist in cooling the engine.
- D. To purify the engine's oil.

8. Which system is responsible for preventing gasoline fumes and vapors from being released into the atmosphere?

- A. Ignition system.
- B. EGR system.
- C. EVAP system.
- D. OBD-II system.

9. What does a front-wheel-drive vehicle primarily use to transfer engine torque to the wheels?

- A. A transfer case.
- B. A transmission and a differential.
- C. A transaxle.
- D. A propeller shaft.

10. What was the main function of early batteries in vehicles, often referred to as SLI batteries?

- A. Powering electronic accessories.
- B. Operating power windows and seats.
- C. Starting, lighting, and ignition.
- D. Powering the air-conditioning system.

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Chapter 1

Multiple Choice Quiz A

Answer Key

1. C

2. D

3. D

4. C

5. B

6. C

7. C

8. C

9. C

10. C