

Automotive Engineering History

Automotive Technology · Answer Key · 8 Questions

1. Which vehicle is officially recognized as the first to be powered by an internal combustion engine, patented by Karl Benz in 1886?

- A) Benz Patent-Motorwagen**
- B) Daimler Reitwagen
- C) Marcus Car
- D) Siegfried Marcus Wagen

2. What was the primary technical limitation that forced the shift from steam-powered automobiles to gasoline-powered ones in the early 20th century?

- A) Fuel combustion efficiency
- B) Boiler startup time**
- C) Power-to-weight ratio
- D) Emission regulations

3. Which company produced the first mass-produced car to utilize a unibody construction, the 1934 Citroën Traction Avant?

- A) Ford
- B) Volkswagen
- C) Citroën**
- D) Auto Union

4. In 1912, the Cadillac Model 30 was the first production automobile to feature which significant electrical advancement?

- A) Electric headlights
- B) Electronic fuel injection
- C) Electric starter motor**
- D) Electric windshield wipers

5. The Wankel engine, a type of internal combustion engine using an eccentric rotary design, was first commercially implemented in which production car?

- A) Mazda Cosmo
- B) NSU Wankel Spider**
- C) Citroën GS Birotor
- D) Audi R8

6. Which automotive manufacturer introduced the first production car equipped with a modern three-point safety belt in 1959?

A) Mercedes-Benz

B) Volvo

C) Saab

D) Porsche

7. What was the first production car to feature an electronic anti-lock braking system (ABS), developed by Bosch and introduced in 1978?

A) Mercedes-Benz S-Class (W116)

B) BMW 7 Series

C) Porsche 911

D) Audi Quattro

8. The 1966 Jensen FF holds the historical distinction of being the first production passenger car to feature which drivetrain technology?

A) All-wheel drive

B) Continuously variable transmission

C) Hybrid electric drive

D) Turbocharging