

Milestones in Automotive Engineering

Automotive Technology · Answer Key · 15 Questions

1. Which vehicle is credited as the first mass-produced car to utilize a unibody construction instead of a body-on-frame design?

- A) Lancia Lambda**
- B) Citroën Traction Avant
- C) Chrysler Airflow
- D) Volkswagen Beetle

2. Who is credited with inventing the first practical internal combustion engine fueled by gasoline, patented in 1876?

- A) Gottlieb Daimler
- B) Karl Benz
- C) Nikolaus Otto**
- D) Rudolf Diesel

3. The first production car to feature a mid-engine layout, specifically designed for high-performance road use, was the:

- A) Lamborghini Miura
- B) De Tomaso Vallelunga**
- C) Ferrari 250 LM
- D) Cooper T43

4. In 1939, which manufacturer introduced the first fully automatic transmission available to the general public, known as 'Hydra-Matic'?

- A) Ford
- B) General Motors**
- C) Chrysler
- D) Packard

5. Which company was the first to offer three-point seatbelts as standard equipment in their vehicles, beginning in 1959?

- A) Mercedes-Benz
- B) Volvo**
- C) Saab
- D) Porsche

6. What was the first production automobile to feature electronic fuel injection, introduced in 1957?

- A) Chevrolet Corvette
- B) Mercedes-Benz 300SL
- C) Chrysler 300C**
- D) Jaguar XKSS

7. The first production car to be equipped with a turbocharger was the:

- A) Oldsmobile F-85 Jetfire**
- B) Porsche 911 Turbo
- C) Chevrolet Corvair Monza Spyder
- D) BMW 2002 Turbo

8. Which invention allowed for the 'differential' to function, enabling wheels on the same axle to rotate at different speeds?

- A) Onesiphorus Pecqueur**
- B) Joseph Cugnot
- C) Richard Trevithick
- D) Nicolas-Joseph Cugnot

9. The first production passenger car to utilize an anti-lock braking system (ABS) was the:

- A) Mercedes-Benz S-Class (W116)
- B) Jensen FF**
- C) Lincoln Continental Mark III
- D) Cadillac Eldorado

10. Which manufacturer produced the first car with a transverse-mounted engine and front-wheel drive configuration intended for mass production?

- A) Mini
- B) DKW F1**
- C) Fiat 128
- D) Austin 1100

11. What is the significance of the 1908 'Ford Model T' regarding automotive manufacturing history?

- A) First car with a V8 engine
- B) First car assembled on a moving assembly line**
- C) First car with an electric starter
- D) First mass-produced car with a closed body

12. The first hybrid electric vehicle to reach mass production and global commercial success was the:

- A) Toyota Prius**
- B) Honda Insight
- C) Audi Duo
- D) Toyota Coaster Hybrid EV

13. Which car company first introduced the 'crush zone' or 'crumple zone' safety concept in their 1959 W111 series?

- A) Volvo
- B) Mercedes-Benz**
- C) Saab
- D) Volkswagen

14. What was the first production automobile to utilize a rotary (Wankel) engine?

- A) Mazda Cosmo
- B) NSU Wankel Spider**
- C) Citroën GS Birotor
- D) Mazda RX-2

15. In 1912, the Cadillac Model Thirty was the first production car to be equipped with which major convenience feature?

- A) Electric headlamps
- B) Electric self-starter**
- C) Hydraulic brakes
- D) Windshield wipers