

Trivia Contest

Rev up your engines and test your automotive IQ

BY KAREN TENDERING

Do you think you know everything about engine rebuilding and cars? If you answered yes, you might want to buckle up and join our exciting automotive trivia contest. This quarter, I am giving you the chance to show off your knowledge and win amazing prizes. All you need to do to participate is answer all the questions and submit the pages back to me. On July 1, 2024, we will draw three winners for a one-year AERA Membership, and three runner-up winners will receive an AERA Fleece Jacket (limited sizes available). We will also be sending out AERA swag to other participants.

Are you ready to rev up your engines and test your automotive IQ? Let the trivia contest begin! The rules are, there are no rules! To win, all questions must be answered correctly. It's time to kick back with co-workers, friends or by yourself and have some fun!

Now, let's get started and challenge your knowledge on car trivia and let's see who the motor mastermind is.

1. What was the first car launched into Space?

2. What kind of car inspired Ferruccio Lamborghini to start his own Automobile Company?

3. Who was the last automaker to offer cassette players in their vehicles?

4. Why was a national speed limit of 55 MPH enacted in 1974?

5. What was the Volkswagen Beetle called when it was first sold in United States?

6. Who makes the model Santa Fe SUV?

7. What is the most stolen car in America? (1 of top 3 acceptable)

8. Who invented Cruise Control?

9. When was the first documented car accident in American history?

10. In the 1960s, Ford unleashed an affordable sports car called what?

11. What year did AERA start?

12. The first Engine Professional magazine was published when?

13. Who is the current president of AERA?

14. Can you match the logo with the manufacturer?

AUDI CHRYSLER JAGUAR TOYOTA
RAM CADILLAC







15. Do you know the year and country these brands were founded in?

• Cadillac

• Fiat

• Land Rover

• Mercedes-Benz

• Peugeot

• General Motors

• Toyota

• Dodge

• Tesla

• Bugatti

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Multiple Choice Questions

16. What does a spark plug do?

- a. Ignites the fuel and air mixture to create energy.
- b. Injects the fuel and air mixture into the combustion chamber.
- c. Supplies the engine with energy.
- d. Injects air into the intake valve.

17. What does the intake valve do?

- a. Releases excess fuel from the combustion chamber.
- b. Supplies the combustion chamber with air and fuel.
- c. Gets rid of the exhaust.
- d. Keeps the engine cool by supplying water.

18. What is a piston?

- a. Cylindrical piece of metal that moves up and down using the energy supplied by the combustion process.
- b. Metal wire that carries an electric charge for the spark plug.
- c. Valve that transfers fuel to the combustion chamber.
- d. Tube that supplies water to the engine's cooling system.

19. What are the purpose of piston rings?

- a. Keeps a tight seal on the connecting rods
- b. Small pieces of metal that connects the parts of the crankshaft together.
- c. Keeps the oil from drying out.
- d. Keeps a tight seal on the pistons so fuel and air doesn't leak into the sump.

20. What is a connecting rod?

- a. Rod connecting the piston and crankshaft together.
- b. Rod that connects the piston to the header.
- c. Rod that connects the piston to the cylinder.
- d. Piece of metal connecting the fuel tank to the fuel cap.

21. What is the crankshaft?

- a. Supports the wheels of the car.
- b. Holds the headers together.
- c. Rod that turns the pistons up and down motion into circular motion.
- d. Just the name of the screw that holds the engine together.

22. There is a green puddle under your car. What are you leaking?

- a. Coolant
- b. Oil
- c. Power Steering Fluid
- d. Freon

23. There is a red puddle under your car. What are you leaking?

- a. Transmission Fluid
- b. Gasoline
- c. Brake Fluid
- d. Coolant

24. What is the best way to dispose of your old motor oil?

- a. Drive it to the landfill.
- b. Pour it down the sink.
- c. Drop it off at gas station to recycle.
- d. Pour it down the storm drain.

25. What does a gasoline engine have that a diesel engine doesn't?

- a. Glow plugs
- b. Spark plugs
- c. Neither
- d. Both

26. What does a diesel engine have that a gasoline engine doesn't?

- a. Spark plugs
- b. Glow plugs
- c. Both
- d. Neither

27. How often should you change your oil filter?

- a. During annual service
- b. Every time you add oil
- c. Every 3,000 miles
- d. As recommended by the manufacture

28. How often should you change the fuel filter?

- a. As recommended by the manufacture
- b. Every 200-400,00 miles
- c. Every 10-20,000 miles
- d. Every 20-40,000 miles

29. When should you change the air filter?

- a. Two years or 24,000 miles
- b. One year or 12,000 miles
- c. None of the above
- d. Three years or 30,000 miles

30. How often should you get your oil changed?

- a. Every 3 months
- b. Every 3,000 miles
- c. It varies with the car and oil used
- d. Every 10,000 miles or once a year, whichever comes first

Please complete the form below:

Name: _____

Address: _____

City, State, Zip Code: _____

Country: _____

Phone: _____

Email: _____

Thank you for completing the trivia contest. The winners will be notified via email. Please be sure all the questions have been answered, do not skip any and please make sure writing is legible.

Email the pages back to Karen@aera.org or fax 888-329-2372. You can also mail it back, but email and faxing are quicker. Mail to AERA, 875 Feinberg Ct, Ste 106, Cary IL 60013.

GOOD LUCK! Remember, the contest expires June 30, 2024. ■