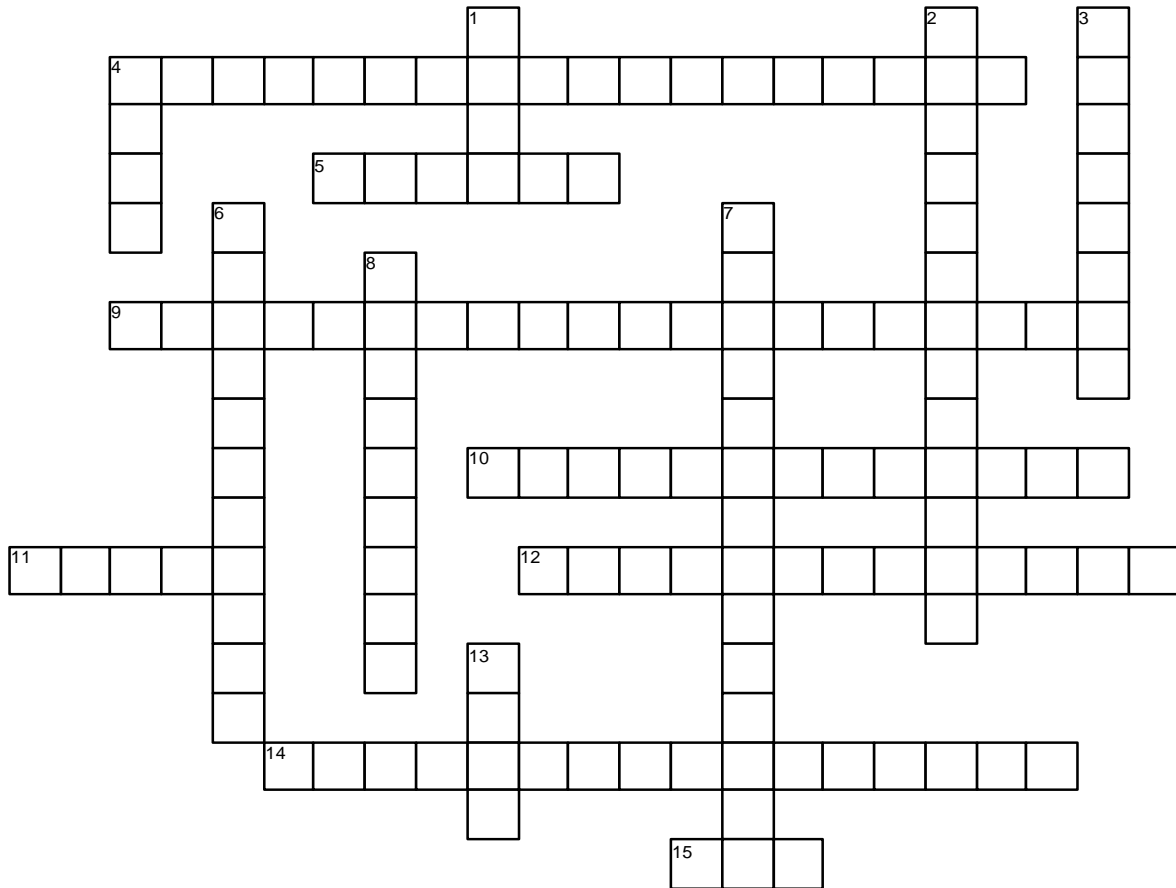


Vehicle Emission Standards And Testing

Chapter 84



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ACROSS

- 4 Engines consume about 15 times more air than gasoline, this ratio of air to gasoline is called _____.
- 5 Air is composed of 21% _____.
- 9 The OBD-II system is designed to illuminate the MIL and store trouble codes any time a malfunction exists that causes the emissions to exceed 1 1/2 times the _____.
- 10 If oxygen (O₂) is high, the exhaust is lean, so O₂ is called the _____.
- 11 During combustion, hydrocarbons combine with air to form _____.
- 12 _____ is the result of oxygen in the engine combining with the carbon of the gasoline.
- 14 _____ are a colorless, tasteless, and odorless gas when leaving the engine.
- 15 The _____ category is largely restricted to electric vehicles and hydrogen-fueled vehicles.

DOWN

- 1 the abbreviation for non-methane organic gases is _____.
- 2 If carbon monoxide (CO) is high, the exhaust is rich, so CO is called the _____.
- 3 Air is composed of 78% _____.
- 4 Oxides of nitrogen contribute to the formation of photochemical _____ when sunlight reacts chemically with NO_x and unburned hydrocarbons.
- 6 If there are _____ gases exiting the tailpipe, then something is wrong that prevented all the fuel from being burned.
- 7 When _____ combines with oxygen a poisonous gas is created. In the lungs it creates carbon dioxide and deprives the brain of oxygen.
- 8 The _____ converter is used to help reduce exhaust emissions.
- 13 A _____ is compliant with the SULEV standard; additionally has near-zero evaporative emissions and a 15-year/150,000 mile warranty on its emission control equipment.