

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What is the purpose of the vacuum-controlled fuel-pressure regulator?

2) What are the three basic types of fuel-injection systems?

3) How is the fuel delivery system different from a port fuel injection system?

4) How does an electronic throttle control system work?

Answer Key

Testname: INTRO_SHORT31

1) The purpose of the fuel pressure regulator is to maintain an even fuel pressure to the injectors so that the pressure drop across the injectors are the same under all driving conditions.

Page Ref: 292

2) The three basic types of fuel injection system include TBI, port and gasoline direct injection (GDI).

Page Ref: 291

3) A vehicle equipped with gasoline direct injection uses a fuel pump in the fuel tank similar to a conventional port injection system. Then, the fuel is sent to a high-pressure pump driven by the camshaft to the fuel rail. The computer controls fuel pressure using an electric pressure-control valve.

Page Ref: 293

4) The electronic throttle control system works by using an accelerator pedal position sensor to determine the driver's request for power and an motor driven throttle plate that opens to provide the requested power.

Page Ref: 294