

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) The ratio of the volume of a cylinder with the piston at BDC to the volume of the cylinder with the piston at TDC is known as _____. 1) _____
 - A) Compression ratio
 - B) Displacement
 - C) Volume ratio
 - D) None of these

- 2) The chemical energy in fuel is converted to heat by the burning of the fuel at a controlled rate. This process is called _____. 2) _____
 - A) Combustion
 - B) Consumption
 - C) Power
 - D) Torque

- 3) Torque is expressed in units of _____. 3) _____
 - A) Pound-feet
 - B) Pounds per minute
 - C) Foot-pounds per minute
 - D) Pound-feet per second

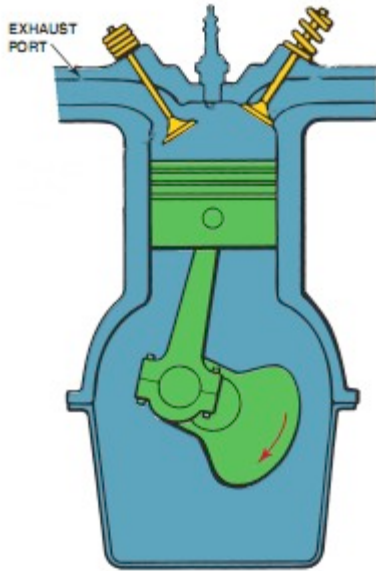
- 4) Which of these is the metric unit for torque? 4) _____
 - A) Foot-pound
 - B) Pound-foot
 - C) Newton-meter
 - D) Kilogram-meter

- 5) How many degrees of CAMSHAFT rotation are needed to complete the four stroke combustion cycle? 5) _____
 - A) 180
 - B) 360
 - C) 90
 - D) 720

- 6) One cylinder of an automotive four-stroke cycle engine completes a cycle every _____. 6) _____
 - A) 90 degree
 - B) 180 degree
 - C) 360 degree
 - D) 720 degree

7) Which part of the four stroke cycle is illustrated in this drawing?

7) _____



- A) Intake
- B) Exhaust
- C) Compression
- D) Power

8) An SOHC V8 engine has how many camshafts?

8) _____

- A) One
- B) Two
- C) Three
- D) Four

9) The diameter of a cylinder is called the _____.

9) _____

- A) Stroke
- B) Bore
- C) Diameter
- D) Radius

10) An engine with a displacement of 302 cubic inches converts to _____ liters (rounded off).

10) _____

- A) 3.7
- B) 4.9
- C) 49
- D) 5.7

Answer Key

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1) A

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2) A

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3) A

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4) C

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5) B

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6) D

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7) B

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8) B

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9) B

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10) B

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