

Name _____

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

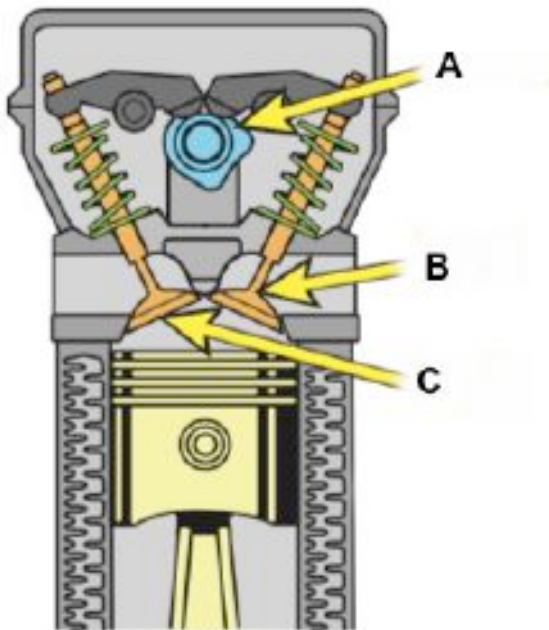
1) Technician A says that the crankshaft determines the stroke of an engine. Technician B says that the length of the connecting rod determines the stroke of an engine. Which technician is correct? 1) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

2) A 5.7 liter engine is about what size in cubic inches? 2) _____

- A) 305
- B) 400
- C) 426
- D) 350

3) In this drawing, which item is the camshaft? 3) _____



- A) A
- B) B
- C) C
- D) None of these

4) Which component is NOT needed in a typical overhead cam engine? 4) _____

- A) Camshaft
- B) Valve spring
- C) Rocker arm
- D) Push rod

- 5) Technician A says that changing connecting rod length changes engine stroke. Technician B says that changing connecting rod length changes the position of the piston in the cylinder. Which technician is correct? 5) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 6) All overhead valve engines _____. 6) _____
- A) use an overhead camshaft
 - B) have the valves located in the cylinder head
 - C) operate by the two-stroke cycle
 - D) use the camshaft to close the valves
- 7) The coolant flow through the radiator is controlled by the _____. 7) _____
- A) size of the passages in the block
 - B) thermostat
 - C) cooling fan(s)
 - D) water pump
- 8) The _____ converts linear motion of the pistons into rotary motion. 8) _____
- A) crankshaft
 - B) camshaft
 - C) connecting rod
 - D) none of these
- 9) The following statements are all correct EXCEPT _____. 9) _____
- A) torque is the measurement of rotational force
 - B) torque always results in movement
 - C) torque is often expressed in pound-feet
 - D) all of the above answers are correct
- 10) How many degrees of CRANKSHAFT rotation are required for a piston to travel from TDC to BDC and return to TDC? 10) _____
- A) 180
 - B) 360
 - C) 90
 - D) 720

Answer Key

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1) A

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2) D

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3) A

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4) D

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5) B

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6) B

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7) B

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8) A

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9) B

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10) B

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