

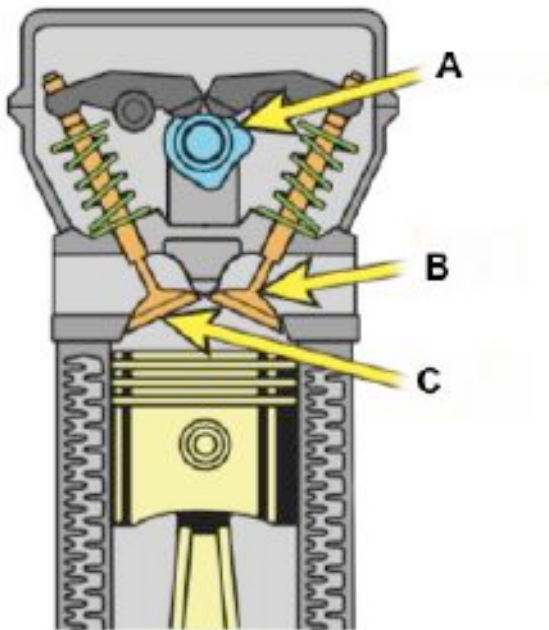
Name \_\_\_\_\_

**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