

Name _____

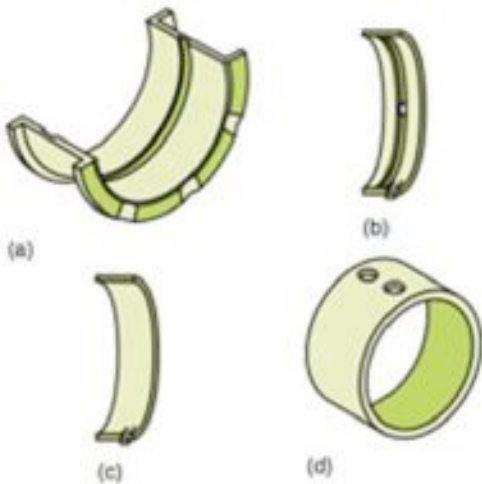
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) A splayed crankshaft is a crankshaft that _____. 1) _____
A) is externally balanced
B) is internally balanced
C) has offset main bearing journals
D) has offset rod journals

2) If any crankshaft is ground, it must also be _____. 2) _____
A) shot peened
B) chrome plated
C) polished
D) externally balanced

3) Bearing _____ occurs when a bearing shell is slightly above the parting surface of the bearing cap. 3) _____
A) overlap
B) crush
C) cap lock
D) interference fit

4) Which one of these is a thrust bearing? 4) _____



- A) a
- B) b
- C) c
- D) d

- 5) The thrust bearing surface is located on one of the main bearings to control thrust loads caused by _____. 5) _____
A) lugging the engine
B) torque converter or clutch release forces
C) rapid deceleration forces
D) Both A and C
- 6) A four-cylinder engine fires one cylinder at every _____ degrees of crankshaft rotation. 6) _____
A) 270
B) 180
C) 120
D) 90
- 7) Which of the following is a primary cause of secondary vibrations in an engine? 7) _____
A) Harmonic balancer
B) Pistons
C) Flexplate
D) Connecting rod big ends
- 8) A typical V-8 engine crankshaft has _____ main bearings. 8) _____
A) three
B) four
C) five
D) seven
- 9) The crankshaft journals have been turned. What size bearings should be installed? 9) _____
A) Standard
B) Oversize
C) Undersize
D) It makes no difference which size is installed
- 10) A balance shaft used in a 90-degree V-6 engine is used to correct which of these types of force? 10) _____
A) Primary vibration
B) Secondary vibration
C) Rocking couple
D) Rolling couple