

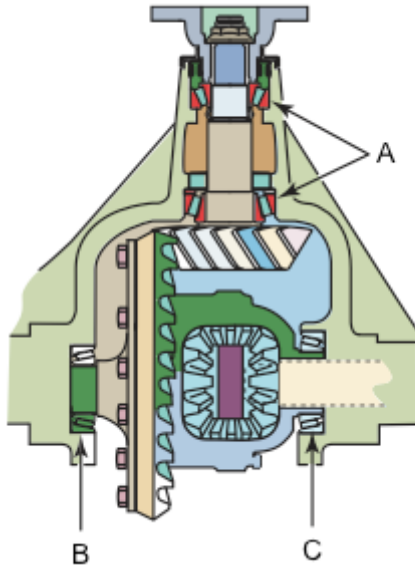
Name _____

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

- 1) A limited slip differential uses _____ to transfer torque to the wheel that has the best traction. 1) _____
A) Clutch packs
B) Cone clutches
C) Both A and B
D) Either A or B
- 2) In a rear axle, the drive pinion gear works with _____. 2) _____
A) A ring gear to change the direction of power flow
B) Side gears to provide differential action
C) A ring gear to provide gear reduction
D) All of these are correct
- 3) A removable carrier is also called _____. 3) _____
A) A third member
B) A drop out
C) Pumpkin
D) Any of these
- 4) The differential case _____. 4) _____
A) Provides a mounting point for the ring gear
B) Is supported by the carrier bearings
C) Encloses the differential gears
D) All of these are correct
- 5) An overhung pinion uses _____. 5) _____
A) One pinion bearing
B) Two tapered roller pinion bearings
C) Three roller pin ion bearings
D) Four ball-type pinion bearings

6) Identify the pinion bearing(s).

6) _____



- A) A
- B) B
- C) C
- D) D

7) Technician A says that the ring gear and pinion gear are manufactured as a matched pair. Technician B says that ring and pinion gear sets are often marked on each piece to identify the matched set. Which technician is correct?

7) _____

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

8) Electric locking differentials may use a _____ to lock the differential to the case.

8) _____

- A) Magnetic clutch
- B) Viscous clutch
- C) Vacuum actuator
- D) Screw cam

9) What supports the pinion gear in the differential housing?

9) _____

- A) Tapered roller bearings
- B) Bronze bushings
- C) Ball bearings
- D) Rubber bushings

10) What is the term that describes free play or looseness between meshing gears?

10) _____

- A) Backlash
- B) Preload
- C) Terminal clearance
- D) None of these are correct

Answer Key

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1) D

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2) D

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3) D

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4) D

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5) B

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6) A

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7) C

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8) A

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9) A

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10) A

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