

Name _____

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

- 1) What shift mode should be used when descending a steep hill? 1) _____
A) Drive (D)
B) Second (2)
C) Neutral (N)
D) Low (L)

- 2) When the drive gear has a smaller diameter and fewer teeth than the driven gear, it is referred to as _____. 2) _____
A) Gear reduction
B) Direct drive
C) Speed multiplication
D) None of these is correct

- 3) In an automatic transmission, the torque converter replaces the _____ that is used in a manual transmission. 3) _____
A) Clutch
B) Differential
C) Spur gear
D) Synchronizer

- 4) Full time four-wheel-drive vehicles use _____. 4) _____
A) A transfer case
B) Spiral bevel drive axles
C) Three differentials
D) Both A and C

- 5) Technician A says that spur gears are quieter than helical gears. Technician B says that helical gears produce greater thrust forces than spur gears. Which technician is correct? 5) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 6) Technician A says that that most FWD vehicles use U-joints on the front drive axles. Technician B says that all RWD vehicles use CV joints on their rear drive axles. Which technician is correct? 6) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 7) Technician A says that a helical gear is stronger than a spur gear. Technician B says that a helical gear is noisier than a spur gear. Which technician is correct? 7) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 8) Technician A says that a differential provides the gear reduction needed in the drive axle. Technician B says that the differential can drive two wheels at different speeds. Which technician is correct? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 9) The vehicle drivetrain can send power to _____. 9) _____
- A) The front wheels
 - B) The rear wheels
 - C) Either A or B
 - D) Neither A nor B
- 10) What is used to transfer torque to all four wheels? 10) _____
- A) Four driveshafts
 - B) A transfer case or power transfer unit
 - C) Four differentials
 - D) All of the above

Answer Key

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1) D

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2) A

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3) A

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4) D

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5) B

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6) D

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7) A

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8) B

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9) C

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10) B

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