

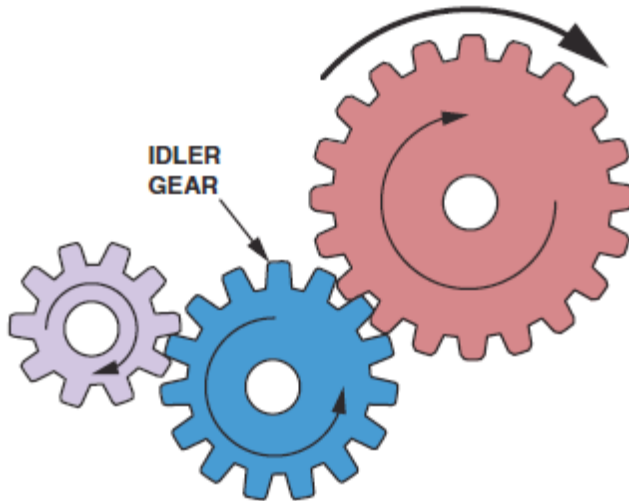
Name \_\_\_\_\_

**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) Technician A says that a gear reduction decreases torque. Technician B says that a gear reduction increases speed. Which technician is correct? 2) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 3) Gear ratios can be used to \_\_\_\_\_. 3) \_\_\_\_\_
  - A) Increase speed
  - B) Increase torque
  - C) Reverse direction
  - D) All of the above
  
- 4) When the drive gear has a smaller diameter and fewer teeth than the driven gear, it is referred to as \_\_\_\_\_. 4) \_\_\_\_\_
  - A) Gear reduction
  - B) Direct drive
  - C) Speed multiplication
  - D) None of these is correct
  
- 5) Technician A says that a clutch must engage completely, all at once. Technician B says that the clutch must slip slightly during engagement. Which technician is correct? 5) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

6) What is the ratio of this gear set (small gear driving)?

6) \_\_\_\_\_



- A) 2:1
- B) 1.5:1
- C) 3:1
- D) 3.5:1

7) If a gear with 20 teeth is driving a gear with 60 teeth, the gear ratio is \_\_\_\_\_.

7) \_\_\_\_\_

- A) 2:6
- B) 3:1
- C) 1:3
- D) 0.33:1

8) Which type of gear may be found in a rear-wheel-drive axle?

8) \_\_\_\_\_

- A) Hypoid
- B) Spiral bevel
- C) Spur
- D) Helical

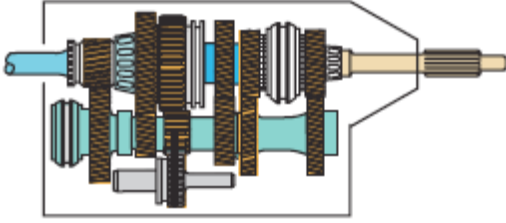
9) Full time four-wheel-drive vehicles use \_\_\_\_\_.

9) \_\_\_\_\_

- A) A transfer case
- B) Spiral bevel drive axles
- C) Three differentials
- D) Both A and C

10) Identify this set of gears.

10) \_\_\_\_\_



- A) Front wheel drive transaxle
- B) Rear wheel drive transmission
- C) Differential assembly
- D) Transfer case

## Answer Key

Testname: ATT7\_1B

1) D

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2) D

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3) D

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4) A

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5) B

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6) A

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7) B

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8) A

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9) D

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10) B

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