

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. What is the maximum length of a steel tube driveshaft before a center support bearing is required?
  - A. 55 inches
  - B. 65 inches
  - C. 75 inches
  - D. 85 inches
  
2. Aluminum driveshafts can be as long as \_\_\_\_\_ inches without the need for a center support bearing.
  - A. 60
  - B. 70
  - C. 80
  - D. 90
  
3. Composite-material driveshafts are made of which of the following materials?
  - A. Steel
  - B. Aluminum
  - C. Carbon-fiber-plastic
  - D. Rubber
  
4. What is the purpose of lining the inside of a hollow driveshaft with cardboard or rubber?
  - A. To increase its strength
  - B. To dampen noise
  - C. To prevent corrosion
  - D. To balance the driveshaft
  
5. The term used by the Society of Automotive Engineers (SAE) to describe the shaft between the transmission and the rear axle assembly on a rear-wheel-drive vehicle is:
  - A. Propeller shaft
  - B. Axle shaft
  - C. Driveshaft
  - D. Half shaft
  
6. Which joint design allows for the angle between the shafts to be equally split regardless of the angle?
  - A. Cardan-style U-joints
  - B. Rzeppa joint
  - C. Plunge joint
  - D. Fixed joint
  
7. Driveshaft balance should be within what percentage of the driveshaft weight?
  - A. 0.1%
  - B. 0.3%
  - C. 0.5%
  - D. 1%

8. What is the typical working angle of a single-piece driveshaft?

- A. 1/4 degree
- B. 1/2 degree
- C. 1 degree
- D. 3 degrees

9. Unequal-length drive axle shafts can result in what phenomenon during acceleration?

- A. Torque steer
- B. Driveshaft noise
- C. Vibration at high speeds
- D. Decreased torque

10. What is the purpose of the dampener weight found on some drive axle shafts?

- A. To balance the shaft
- B. To increase strength
- C. To reduce noise
- D. To absorb shocks

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Chapter 123

Multiple Choice Quiz A

Answer Key

1. B

2. D

3. C

4. B

5. C

6. B

7. C

8. B

9. A

10. A