

Name \_\_\_\_\_

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

- 1) A \_\_\_\_\_ is a structural part of the vehicle. 1) \_\_\_\_\_  
A) coil spring  
B) shock absorber  
C) bump stop  
D) MacPherson strut
- 2) Most trucks and larger RWD vehicles use which type of frame? 2) \_\_\_\_\_  
A) Full frame  
B) Stub frame  
C) Unit body  
D) None of these are correct.
- 3) What suspension component is used to counteract body lean during cornering? 3) \_\_\_\_\_  
A) Torsion bar  
B) Strut rod  
C) Stabilizer bar  
D) Control arm
- 4) Which component transfers vehicle weight to the wheels? 4) \_\_\_\_\_  
A) Springs  
B) Struts  
C) Shocks  
D) Axles
- 5) Which law states that the deflection of a spring is directly proportional to the applied force? 5) \_\_\_\_\_  
A) Hooke's law  
B) Pascal's law  
C) Newton's law  
D) Halderman's law
- 6) All suspension systems use \_\_\_\_\_ of one form or another. 6) \_\_\_\_\_  
A) beam axles  
B) control arms  
C) springs  
D) pivot shafts
- 7) What frame design combines the body with the structure of the frame? 7) \_\_\_\_\_  
A) Unit body  
B) Ladder frame  
C) Perimeter frame  
D) Full frame

- 8) Technician A says that cutting coil springs is an acceptable method of properly lowering a vehicle. Technician B says that all leaf springs are made of steel. Which technician is correct? 8) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- 9) Technician A says that all automotive coil springs have the same number of coils. Technician B says that coil spring spacers can cause damage to the spring. Which technician is correct? 9) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- 10) Technician A says that most modern vehicles have independent front suspensions. Technician B says that no vehicle has an independent rear suspension. Which technician is correct? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B

## Answer Key

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1) D

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2) A

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3) C

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4) A

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5) A

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6) C

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7) A

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8) D

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9) B

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10) A

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