

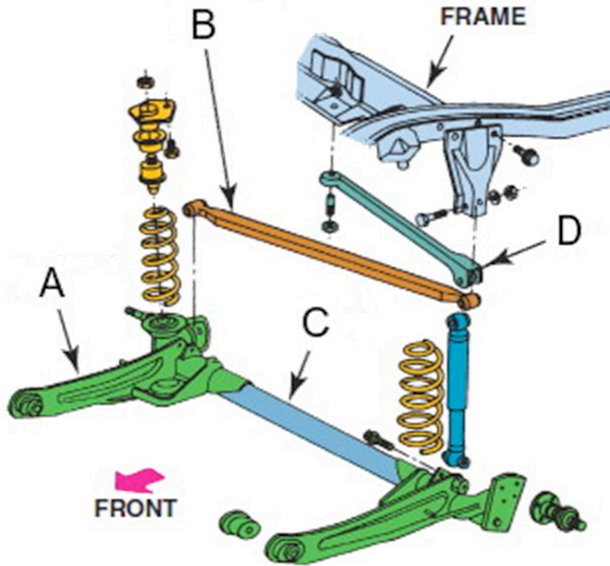
Name _____

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

- 1) Which of the following is a disadvantage of a solid rear axle? 1) _____
A) Increased proportion of unsprung weight
B) Side to side shock transference
C) Reduced tire adhesion
D) All of these are disadvantages of a solid rear axle.
- 2) Most light-duty trucks use a solid rear axle that is attached to _____ with U-bolts. 2) _____
A) struts
B) coil springs
C) torsion bars
D) leaf springs
- 3) Which of the following reduce tire adhesion (traction)? 3) _____
A) Unsprung weight
B) Wheel tramp
C) Shimmy
D) All of these reduce tire adhesion
- 4) Technician A says that vehicles with independent rear suspensions provide better handling than those with solid rear axles. Technician B says that vehicles with independent rear suspensions generally have less unsprung weight. Which technician is correct? 4) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

5) Which of these components is the Panhard rod?

5) _____



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

6) Technician A says that the top mounting nut for a rear shock absorber is often located inside the vehicle. Technician B says that shocks, struts, and springs should always be replaced in axle sets. Which technician is correct?

6) _____

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

7) Axle windup is most often a problem with _____.

7) _____

- A) front-wheel drive vehicles
- B) vehicles with a live rear axle
- C) Both A and B
- D) Neither A nor B

8) A vehicle equipped with a coil spring front suspension and a leaf spring rear suspension "dog tracks" while driving on a straight, level road. Technician A says that a broken center bolt could be the cause. Technician B says defective rear shock absorbers could be the cause. Which technician is correct?

8) _____

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

9) When axle windup is controlled by the rear leaf spring during acceleration, the suspension type is called a _____ 9) _____

- A) trailing arm
- B) semi-trailing arm
- C) torque arm
- D) Hotchkiss drive

10) A track rod is also called a _____ 10) _____

- A) Panhard rod
- B) control rod
- C) handling link
- D) semi-independent rod

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) C

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5) B

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6) C

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7) B

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8) A

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9) D

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10) A

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