

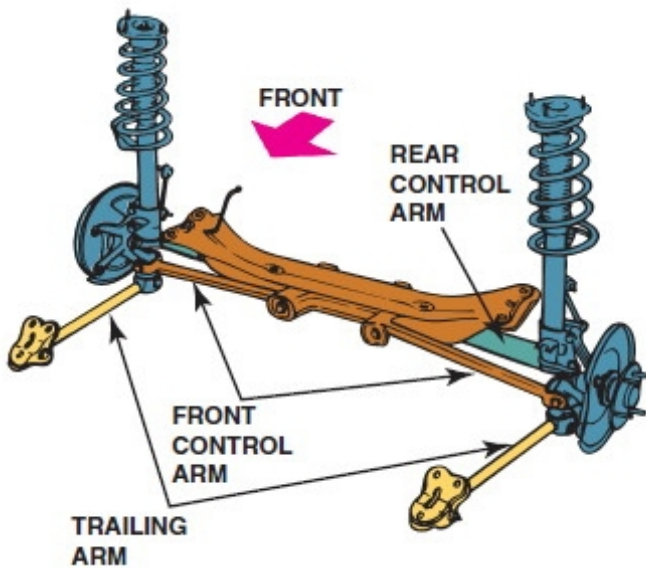
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Technician A says that SLA suspensions reduce tire scrub. Technician B says that solid rear axles are used with independent rear suspensions. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 2) Technician A says that a semi-independent rear suspension is used with live rear axles. Technician B says that the semi-independent rear suspension is used only with non-drive rear axles. Which technician is correct? 2) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 3) The left front of the vehicle is higher than the right front and the right rear is lower than the left rear. What is the most likely cause of this problem? 3) _____
 - A) A weak right rear shock absorber
 - B) A sagging right rear spring
 - C) A broken left front shock absorber
 - D) A broken track rod

- 4) Identify this suspension type. 4) _____



- A) Independent suspension
 - B) Semi-independent suspension
 - C) Leaf spring suspension
 - D) Solid axle
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- 5) A strut-type suspension is used _____. 5) _____
 - A) In the rear only
 - B) In the front only
 - C) In both the front and rear
 - D) In rare vehicles no longer in production

- 6) Which of the following is a disadvantage of a solid rear axle? 6) _____
 A) Side to side shock transference
 B) Reduced tire adhesion
 C) Increased proportion of unsprung weight
 D) All of these are disadvantages of a solid rear axle
- 7) A loud "bang" is heard and felt every time the accelerator is depressed or released on a rear-wheel drive vehicle. Technician A says that a leaking shock absorber could be the cause. Technician B says that a broken torque arm could be the cause. Which technician is correct? 7) _____
 A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician
- 8) Technician A says that the center bolt on a leaf spring can be removed after the spring is installed. Technician B says that individual leaves of a leaf spring often crack before breaking. Which technician is correct? 8) _____
 A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician
- 9) Panhard rods are installed _____. 9) _____
 A) Parallel to the centerline of the chassis
 B) To support the weight of the vehicle
 C) Parallel to the rear live axle
 D) None of these
- 10) A track rod is also called a _____. 10) _____
 A) Panhard rod
 B) Semi-independent rod
 C) Control rod
 D) Handling link
- 11) Technician A says that a torque arm runs perpendicular the the driveshaft. Technician B says that a torque arm runs parallel to the driveshaft. Which technician is correct? 11) _____
 A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician
- 12) Technician A says that suspension diagnosis and service should begin with a comprehensive test drive. Technician B says that shocks or struts should be replaced in axle pairs. Which technician is correct? 12) _____
 A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician
- 13) Technician A says that as axle shafts rotate in one direction to drive the wheels, the axle housing attempts to rotate in the opposite direction. Technician B says this is called torque steer. Which technician is correct? 13) _____
 A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician
- 14) Technician A says that solid rear axles are used only in rear-wheel drive vehicles. Technician B says that solid rear axles are used in both front-wheel drive and rear-wheel drive vehicles. Which technician is correct? 14) _____
 A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician

- 15) 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? 15) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician
- 16) Technician A says that trailing arms include any arm where the supported member trails the arm. Technician B says that trailing arms may also be called control arms on some vehicles. Which technician is correct? 16) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician
- 17) 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? 17) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician
- 18) Technician A says that leaf springs are mounted length-wise on the rear of many vehicles. Technician B says that some vehicles use transversely mounted leaf springs on the rear. Which technician is correct? 18) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician
- 19) A "witness mark" is a _____. 19) _____
A) Type of tool
B) Type of fastener
C) Mark where two parts have rubbed or touched
D) Identification mark
- 20) Axle windup is most often a problem with _____. 20) _____
A) Vehicles with a live rear axle B) Front-wheel drive vehicles
C) Both A and B D) Neither A nor B