

Name _____

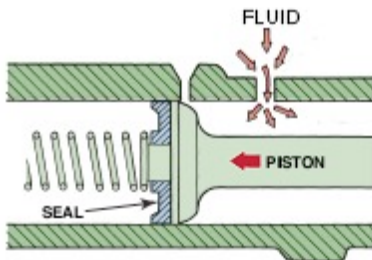
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) In a hydraulic system a larger piston area _____ the applied force. 1) _____
A) Increases
B) Decreases
C) Reduces
D) Removes
- 2) The quick-take-up valve controls _____. 2) _____
A) Fluid flow between the reservoir and the secondary low-pressure chamber
B) Fluid flow between the primary and secondary high-pressure chambers
C) Fluid flow to and from the primary low-pressure chamber
D) Fluid flow between the primary low and high-pressure chambers
- 3) During a typical brake application (applying the brakes), how much brake fluid is moved by the master cylinder down into the brake lines, wheel cylinders, and calipers? 3) _____
A) 1/4 liter
B) 1/10 pint
C) 6 oz.
D) 1 teaspoon
- 4) If the fluid pressure in the master cylinder is 75 PSI, the fluid pressure at the front caliper will be _____ 4) _____
A) Higher than 75 PSI because the caliper piston is larger than the master cylinder
B) The same as the master cylinder because of Pascal's Law
C) Less than 75 PSI because the master cylinder piston is smaller than the caliper piston
D) Not enough information to answer the question
- 5) The rubber used in most brake system components will swell if exposed to _____. 5) _____
A) Engine oil or ATF
B) Moisture in the air
C) DOT 5 brake fluid
D) Water
- 6) Brake fluid pressure is measured in what unit? 6) _____
A) Sq. in.
B) Pounds
C) Inches
D) PSI

- 7) Two technicians are discussing master cylinders. Technician A says that it is normal to see fluid movement in the reservoir when the brake pedal is depressed. Technician B says a defective master cylinder can cause the brake pedal to slowly sink to the floor when depressed. Which technician is correct? 7) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 8) How much brake fluid is in a typical master cylinder reservoir? 8) _____
- A) One gallon
 - B) Enough to allow all brakes to become completely worn
 - C) 15 to 20 liters
 - D) One pint

- 9) What action of the master cylinder is illustrated below? 9) _____



- A) Brakes being applied
 - B) Brakes being released
 - C) Brakes at rest
 - D) None of these
- 10) Master cylinder covers must be vented to _____. 10) _____
- A) Allow air to enter the system
 - B) Create a vacuum
 - C) Allow for fluid expansion and contraction
 - D) Allow fluid to escape when it heats up

Answer Key

Testname: BRAKES7_5A

1) A

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2) C

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3) D

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4) A

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5) A

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6) D

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7) C

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8) B

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9) A

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10) C

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