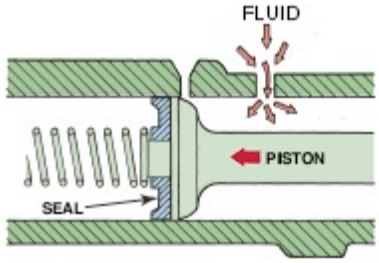
Automotive Brake Systems, 7th Edition
Quiz 5B

Name_____

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

1) What action of the master cylinder is illustrated below? 1) _____



A) Brakes being applied
B) Brakes being released
C) Brakes at rest
D) None of these

2) Technician A says brake fluid should be filled to the top of the reservoir to be assured of proper brake pressure when the brakes are applied. Technician B says that the brake fluid level should be filled only to the maximum level line to allow for expansion when the brake fluid gets hot during normal operation. Which technician is correct? 2) _____

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

3) The master cylinder body is NOT equipped with a _____. 3) _____

A) Compensating port
B) Transfer port
C) Replenishing port
D) Cylinder bore

4) The reservoir diaphragm keeps the brake fluid from freezing in cold climates. 4) _____

A) True
B) False

5) How much brake fluid is in a typical master cylinder reservoir? 5) _____

A) One gallon
B) Enough to allow all brakes to become completely worn
C) 15 to 20 liters
D) One pint

6) Technician A says that the brake pedal height should be checked as part of a thorough visual inspection of the brake system. Technician B says the pedal free play and pedal reserve should be checked. Which technician is correct? 6) _____

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

7) If the fluid pressure in the master cylinder is 75 PSI, the fluid pressure at the front caliper will be _____. 7) _____

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

8) Dual-circuit brake systems provide an extra margin of safety against total brake failure. 8) _____

A) True
B) False

9) The rubber used in most brake system components will swell if exposed to _____. 9) _____

A) Engine oil or ATF
B) Moisture in the air
C) DOT 5 brake fluid
D) Water

10) 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? 10) _____

A) 1/4 liter
B) 1/10 pint
C) 6 oz.
D) 1 teaspoon

Answer Key
Testname: BRAKES7_5B

1) A
Page Ref: 85
2) B
Page Ref: 84
3) B
Page Ref: 82
4) B
Page Ref: 80
5) B
Page Ref: 80
6) C
Page Ref: 88
7) A
Page Ref: 76
8) A
Page Ref: 83
9) A
Page Ref: 87
10) D
Page Ref: 77