Automotive Technology 6th Edition	
Ouiz 76B	
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2.7	
Name	

1) Technician A says that pressure below atmospheric pressure is called vacuum and is measured	1)
in inches of mercury (Hg). Technician B says that a manifold absolute pressure (MAP) sensor	·
uses a low vacuum in the sensor to determine the pressure. Who is right?	
A) Technician A only	
B) Technician B only	
C) Both technicians	
D) Neither technician	
2) Which statement is FALSE?	2)
A) Absolute pressure is equal to barometric pressure plus intake manifold vacuum.	ŕ
B) A decrease in manifold vacuum means an increase in manifold pressure.	
C) The MAP sensor compares manifold vacuum to a perfect vacuum.	
D) Barometric pressure minus the MAP sensor reading equals intake manifold vacuum.	
3) As the load on an engine increases, manifold vacuum decreases and the manifold absolute	3)
pressure	٥)
A) increases	
B) decreases	
C) changes with barometric pressure only (altitude or weather)	
D) remains constant (absolute)	
4) When testing a MAP sensor, the technician should first check the voltage.	4)
A) signal	1)
B) reference	
C) alternator	
D) back	
5) Technician A says that a heavy engine load results in high intake manifold vacuum and a high	5)
MAP sensor signal voltage. Technician B says that a manifold absolute pressure (MAP) sensor	- /
uses a perfect vacuum (zero absolute pressure) in the sensor to determine the pressure. Who is	
right?	
A) Technician A only	
B) Technician B only	
C) Both technicians	
D) Neither technician	
6) A P0106 DTC is being discussed. Technician A says a damaged or missing MAP sensor O-ring	6)
could be the cause. Technician B says a defective MAP sensor could be the cause. Who is right?	- /
A) Technician A only	
B) Technician B only	
C) Both technicians	
D) Neither technician	

7) As the altitude of the vehicle increases, BARO voltage A) increases B) does not change C) decreases D) either B or C, depending on the vehicle	7)
8) The output of a MAP sensor is reading 1.0 volt. What is the approximate engine vacuum in inches of mercury (Hg)?	8)
A) 0 B) 5	
C) 10–15	
D) 17-21	
9) Two technicians are discussing MAP sensors. Technician A says that the MAP sensor should be replaced if anything comes out of the sensor when the vacuum hose is removed from the sensor. Technician B says that the injector pulse width should increase when vacuum to the MAP sensor is increased. Who is right? A) Technician A only B) Technician B only C) Both technicians D) Neither technician	9)
 10) Two technicians are discussing testing MAP sensors. Technician A says that the MAP sensor voltage on a General Motors vehicle at idle should be about 1.0 volt. Technician B says that the MAP sensor voltage on a Chrysler vehicle at idle should be about 1.0 volt. Which technician is correct? A) Technician A only B) Technician B only C) Both technicians 	10)

D) Neither technician

Answer Key

Testname: AT6_76B

- 1) A Page Ref: 890
- 2) A Page Ref: 891
- 3) A Page Ref: 891
- 4) B Page Ref: 894
- 5) B Page Ref: 891
- 6) C Page Ref: 895
- 7) C Page Ref: 893
- 8) D Page Ref: 891
- 9) A Page Ref: 894
- 10) C Page Ref: 891