Automotive Technology 6th Edition	
Ouiz 86B	
3.7	
Name	

1) A P0401 DTC (exhaust gas recirculation flow insufficient) is being discussed. Technician A says	1)
that a defective EGR valve could be the cause. Technician B says that clogged EGR passages could be the cause. Which technician is correct?	-/
A) Technician A only	
B) Technician B only	
C) Both technicians	
D) Neither technician	
2) At about what temperature does oxygen combine with the nitrogen in the air to form NOx?	2)
A) 500 degrees F	
B) 750 degrees F	
C) 1500 degrees F	
D) 2500 degrees F	
3) Blocking off the EGR valve passages will have no effect on the OBD-II system.	3)
A) True	
B) False	
4) Which type of EGR valve requires a positive exhaust system pressure to operate?	4)
A) Positive backpressure	
B) Negative backpressure	
C) Linear	
D) Digital	
5) Which exhaust emission is formed by high combustion chamber temperatures?	5)
A) NOx	
B) HC	
C) CO	
D) CO2	
6) Two technicians are discussing clogged EGR passages. Technician A says that clogged EGR	6)
passages can cause excessive NOx exhaust emission. Technician B says that clogged EGR	
passages can cause the engine to ping (spark knock or detonation). Which technician is correct?	
A) Technician A only	
B) Technician B only	
C) Both technicians	
D) Neither technician	
7) A vehicle comes into the shop and the technician retrieves the diagnostic code P0401 "EGR flow	7)
insufficient." Which of these could be the cause?	
A) Clogged EGR ports or passages	

8) Exhaust gas recirculation (EGR) is generally not needed under any of the following conditions EXCEPT A) idle speed B) cold engine C) cruise speed D) wide open throttle (WOT)	8)
9) What causes the nitrogen and oxygen in the air to combine and form NOx? A) Sunlight B) Any spark will cause this to occur C) Heat above 2,500°F (1,370°C) D) Chemical reaction in the catalytic converter	9)
10) A typical EGR pintle-position sensor is what type of sensor? A) Potentiometer B) Rheostat C) Wheatstone bridge	10)

D) Piezoelectric

Answer Key

Testname: AT6_86B

1) C

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2) D

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3) B

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4) A

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5) A

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6) C

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7) A

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8) C

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9) C

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10) A

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