

Name \_\_\_\_\_

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

- 1) The key or key fob contains a(n) \_\_\_\_\_ that transmits the security code. 1) \_\_\_\_\_
  - A) switch
  - B) transponder
  - C) AM transmitter
  - D) code button
  
- 2) How is data transmitted between the key and the steering column (lock cylinder)? 2) \_\_\_\_\_
  - A) By inductive coupling
  - B) By electrical contacts inside the lock cylinder
  - C) Transmitted from the key to the vehicle using the battery inside the key
  - D) Transferred from the key to the BCM using a small transmitter in the key
  
- 3) An immobilizer fault may occur if the \_\_\_\_\_. 3) \_\_\_\_\_
  - A) key is dropped onto a hard surface
  - B) key gets wet
  - C) key is exposed to any kind of magnetic field
  - D) any of the above
  
- 4) The vehicle security transceiver antenna may be located \_\_\_\_\_. 4) \_\_\_\_\_
  - A) in the console
  - B) on the rear window defogger grid
  - C) at the key lock cylinder
  - D) under the passenger seat
  
- 5) A General Motors Passkey III system has the transponder located in the \_\_\_\_\_. 5) \_\_\_\_\_
  - A) cylinder coil
  - B) lock magnets
  - C) head of the key
  - D) key fob
  
- 6) If an immobilizer-related fault occurs, what symbol is likely to be displayed on the dash? 6) \_\_\_\_\_
  - A) "IM"
  - B) A padlock symbol
  - C) The "check engine" light
  - D) The "service engine soon" light
  
- 7) A shock sensor is part of the vehicle \_\_\_\_\_ system. 7) \_\_\_\_\_
  - A) content theft protection
  - B) fuel injection
  - C) immobilizer
  - D) speed sensor

8) A typical Ford immobilizer system is called \_\_\_\_\_. 8) \_\_\_\_\_  
A) VATS  
B) PATS  
C) Passlock  
D) SKIS

9) What is the purpose and function of an immobilizer system? 9) \_\_\_\_\_  
A) To prevent entry inside the vehicle  
B) Only allows the use of the ignition key that is properly matched to the lock cylinder  
C) Prevents the vehicle from starting or running if the correct key is not used  
D) Requires that the driver enter a password to start the vehicle

10) To view immobilizer codes a \_\_\_\_\_ must be used. 10) \_\_\_\_\_  
A) factory test light  
B) factory scan tool  
C) generic scan tool  
D) any of these, depending on the vehicle