Automotive	Technology	6th	Edition
Quiz 46B			

Name\_\_\_\_\_

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

1) In what year was electrical capacitance discovered? 1) \_\_\_\_\_ A) 1745 B) 1846 C) 1908 D) None of these 2) This schematic shows \_\_\_\_\_. 2) A) capacitors in parallel B) capacitors in series C) batteries in parallel D) a diode trio 3) What was the name of the first capacitance device? 3) A) Leyden jar B) Battery C) Capacitor D) None of these 4) Capacitance is governed by all of these EXCEPT \_\_\_\_\_. 4) \_\_\_\_\_ A) surface area of the condenser plates B) space between condenser plates C) dielectric material used D) conductor diameter 5) A capacitor \_\_\_\_\_. 5) \_\_\_\_\_ A) stores electrons B) passes AC C) blocks DC D) all of the above 6) A capacitor used for spike protection will normally be placed in \_\_\_\_\_\_ to the load or circuit. 6) \_\_\_\_\_ A) series B) parallel C) either series or parallel D) parallel with a resistor in series

7) A capacitor can also be called a	7)
A) condenser	
B) dielectric	
C) farad	
D) DRAM	
8) Materials with higher dielectric constant ratings have resistance to electrical current.	8)
A) higher	
B) lower	
C) equal	
D) none of these	
9) To increase the capacity, what could be done?	9)
A) Connect another capacitor in series	·
B) Connect another capacitor in parallel	
C) Add a resistor between two capacitors	
D) Both A and B	
10) Which of these has the lowest dielectric constant?	10)
A) Vacuum	,
B) Mica	
C) Paper	
D) None of these	

Answer Key Testname: AT6\_46B

> 1) A Page Ref: 530 2) A Page Ref: 534 3) A Page Ref: 530 4) D Page Ref: 532 5) D Page Ref: 532 6) B Page Ref: 532 7) A Page Ref: 530 8) A Page Ref: 530 9) B Page Ref: 533 10) A Page Ref: 531