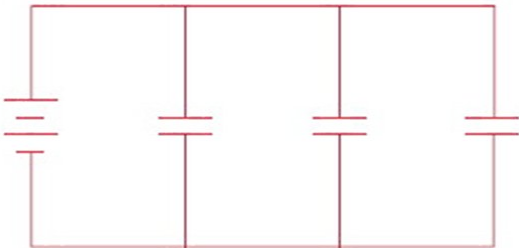


Name \_\_\_\_\_

**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

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1) A

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2) A

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3) A

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4) D

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5) D

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6) B

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7) A

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8) A

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9) B

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10) A

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