

Name \_\_\_\_\_

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

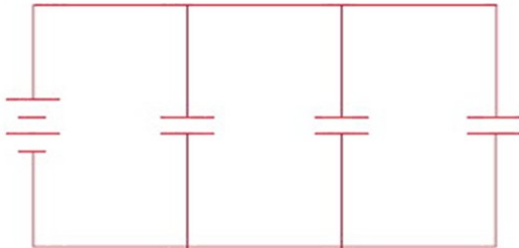
- 1) A capacitor can be used in what components? 1) \_\_\_\_\_  
A) A microphone  
B) A radio  
C) A speaker  
D) All of the above
  
- 2) Which event causes the capacitor to retain a voltage potential? 2) \_\_\_\_\_  
A) Open circuit  
B) Closed circuit  
C) Both A and B  
D) Neither A nor B
  
- 3) The unit of measurement for capacitor rating is the \_\_\_\_\_. 3) \_\_\_\_\_  
A) ohm  
B) volt  
C) farad  
D) ampere
  
- 4) Capacitors are often used as "suppression capacitors". What does a capacitor suppress? 4) \_\_\_\_\_  
A) Excessive current  
B) Voltage fluctuations  
C) Resistance  
D) Noise
  
- 5) Which of these has the lowest dielectric constant? 5) \_\_\_\_\_  
A) Vacuum  
B) Mica  
C) Paper  
D) None of these
  
- 6) In what year was electrical capacitance discovered? 6) \_\_\_\_\_  
A) 1745  
B) 1846  
C) 1908  
D) None of these
  
- 7) A capacitor used for spike protection will normally be placed in \_\_\_\_\_ to the load or circuit. 7) \_\_\_\_\_  
A) series  
B) parallel  
C) either series or parallel  
D) parallel with a resistor in series

8) What was the name of the first capacitance device?

- A) Leyden jar
- B) Battery
- C) Capacitor
- D) None of these

8) \_\_\_\_\_

9) This schematic shows \_\_\_\_\_.



9) \_\_\_\_\_

- A) capacitors in parallel
- B) capacitors in series
- C) batteries in parallel
- D) a diode trio

10) Two technicians are discussing the operation of a capacitor. Technician A says that a capacitor can create electricity. Technician B says that a capacitor can store electricity. Which technician is correct?

10) \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

## Answer Key

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1) D

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2) A

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3) C

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4) B

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5) A

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6) A

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7) B

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8) A

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9) A

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10) B

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