

Name _____

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

- 1) Conductors in a capacitance device are separated by _____. 1) _____
 - A) Insulators
 - B) Conductors
 - C) A vacuum
 - D) None of these

- 2) Capacitors are often used as "suppression capacitors". What does a capacitor suppress? 2) _____
 - A) Excessive current
 - B) Voltage fluctuations
 - C) Resistance
 - D) Noise

- 3) Capacitors are also called _____. 3) _____
 - A) Condensers
 - B) Transistors
 - C) Diodes
 - D) None of these

- 4) Which of these has the lowest dielectric constant? 4) _____
 - A) Vacuum
 - B) Mica
 - C) Paper
 - D) None of these

- 5) The unit of measurement for capacitor rating is the _____. 5) _____
 - A) ohm
 - B) volt
 - C) farad
 - D) ampere

- 6) 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? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 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) To increase the capacity, what could be done?

- A) Connect another capacitor in series
- B) Connect another capacitor in parallel
- C) Add a resistor between two capacitors
- D) Both A and B

8) _____

9) In what year was electrical capacitance discovered?

- A) 1745
- B) 1846
- C) 1908
- D) None of these

9) _____

10) A charged capacitor acts like a _____.

- A) switch
- B) battery
- C) resistor
- D) coil

10) _____

Answer Key

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1) A

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2) B

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3) A

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4) A

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5) C

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6) B

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7) B

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8) B

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9) A

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10) B

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