

Name _____

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

- 1) What was the name of the first capacitance device? 1) _____
A) Leyden jar
B) Battery
C) Capacitor
D) None of these

- 2) Capacitors block the flow of _____ current but allow _____ current to pass. 2) _____
A) strong; weak
B) AC; DC
C) DC; AC
D) weak; strong

- 3) Which of these has the lowest dielectric constant? 3) _____
A) Vacuum
B) Mica
C) Paper
D) None of these

- 4) A capacitor used for spike protection will normally be placed in _____ to the load or circuit. 4) _____
A) series
B) parallel
C) either series or parallel
D) parallel with a resistor in series

- 5) To increase the capacity, what could be done? 5) _____
A) Connect another capacitor in series
B) Connect another capacitor in parallel
C) Add a resistor between two capacitors
D) Both A and B

- 6) Capacitance is governed by all of these EXCEPT _____. 6) _____
A) Surface area of the condenser plates
B) Space between condenser plates
C) Dielectric material used
D) Conductor diameter

- 7) A charged capacitor acts like a _____. 7) _____
A) switch
B) battery
C) resistor
D) coil

8) Which event causes the capacitor to retain a voltage potential? 8) _____
A) Open circuit
B) Closed circuit
C) Both A and B
D) Neither A nor B

9) A capacitor can be used in what components? 9) _____
A) Microphone
B) Radio
C) Speaker
D) All of the above

10) Conductors in a capacitance device are separated by _____. 10) _____
A) Insulators
B) Conductors
C) A vacuum
D) None of these

Answer Key

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1) A

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2) C

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3) A

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4) B

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5) B

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6) D

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7) B

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8) A

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9) D

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10) A

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