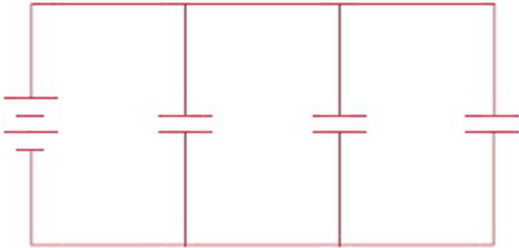


Name _____

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