

NAME _____

1. On what parameters does capacitance normally depend?
2. When a capacitor is fully charged, what current exists in it?
3. What is the difference between the natural logarithm and the common logarithm?
4. What is the potential difference across a capacitor after it has been discharging for a very long time?
5. Solve the equation $V_C = V_0 e^{-t/RC}$ for t .

NOTE: You should answer question 1 in Experiment 13 in the laboratory manual before you come to the laboratory.