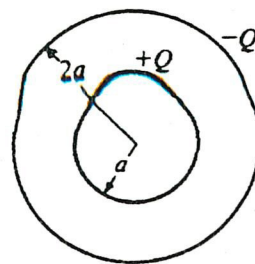


69. In the circuit shown above, the capacitor C is first charged by throwing switch S to the left, then discharged by throwing S to the right. The time constant for discharge could be increased by which of the following?

- (A) Placing another capacitor in parallel with C
- (B) Placing another capacitor in series with C
- (C) Placing another resistor in parallel with the resistor R
- (D) Increasing battery emf \mathcal{E}
- (E) Decreasing battery emf \mathcal{E}



70. Concentric conducting spheres of radii a and $2a$ bear equal but opposite charges $+Q$ and $-Q$, respectively. Which of the following graphs best represents the electric potential V as a function of r ?

