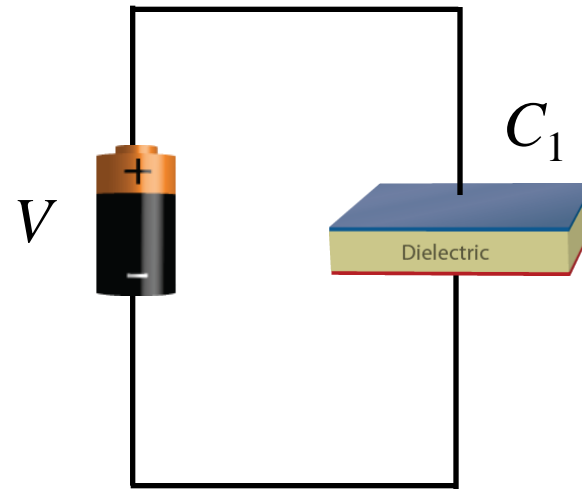
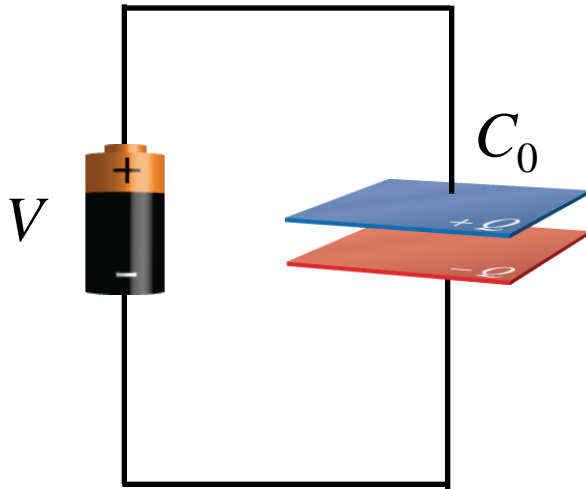


Messing with Capacitors Clicker Question



Two identical parallel plate capacitors are connected to identical batteries. Then a dielectric is inserted between the plates of capacitor C_1 . Compare the energy stored in the two capacitors.



A) $U_1 < U_0$

B) $U_0 = U_1$

C) $U_1 > U_0$

Compare using $U = \frac{1}{2}CV^2$

$$U_1/U_0 = \kappa$$

→ Potential Energy goes UP