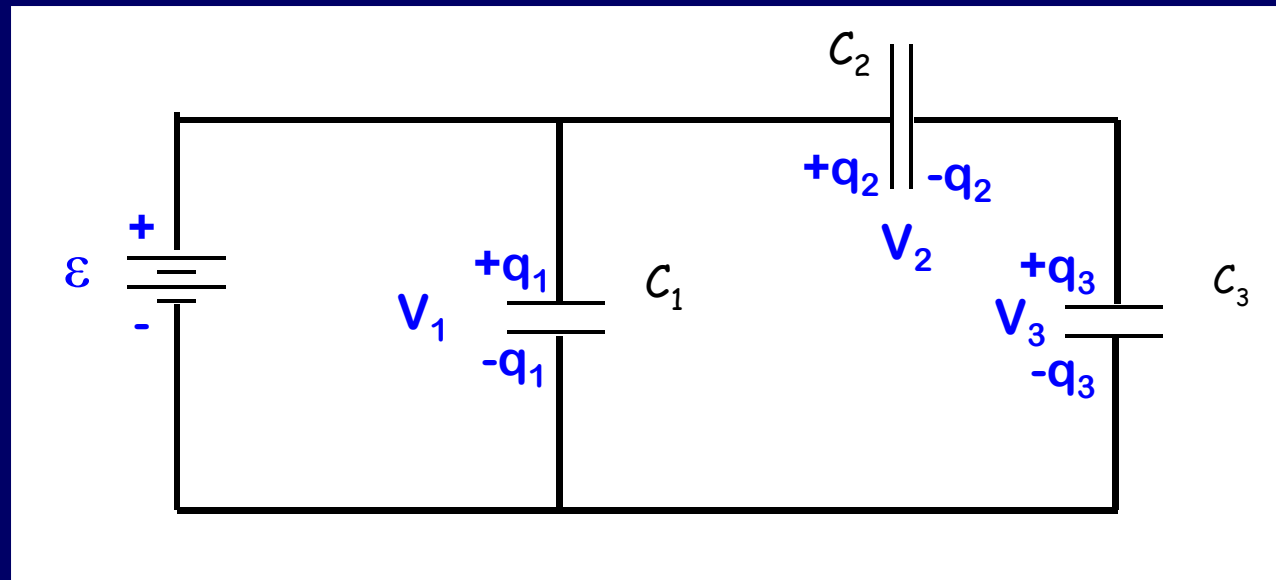




ACT/Preflight 4.4: Which is true?

A circuit consists of three initially uncharged capacitors C_1 , C_2 , and C_3 , which are then connected to a battery of emf ε . The capacitors obtain charges q_1 , q_2 , q_3 , and have voltages across their plates V_1 , V_2 , and V_3 .



1) $q_1 = q_2$

2) $q_2 = q_3$