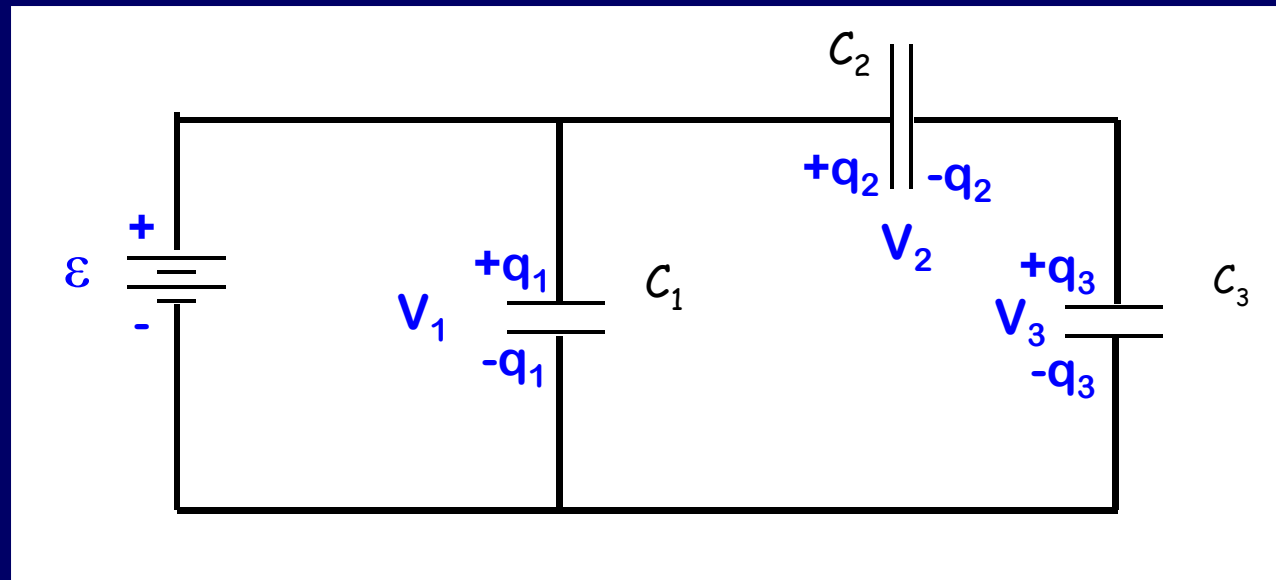




# ACT/Preflight 4.4: Which is true?

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



1)  $V_2 = V_3$

2)  $\varepsilon = V_1$