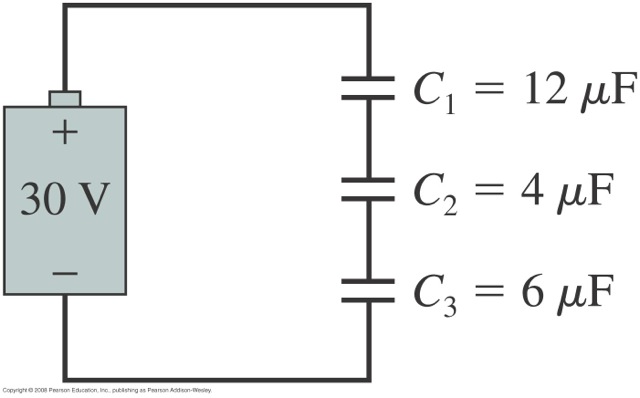
PY212

**Quiz 4**

Three capacitors of varying capacitance are arranged in a circuit with a battery of , as shown below. Please show your work in solving the following problems.



1. What is the equivalent capacitance of the circuit?
2. What are the charges on each of the capacitors,, and? Please explain.
3. What are the voltages across each of the capacitors ,, and? Please explain.