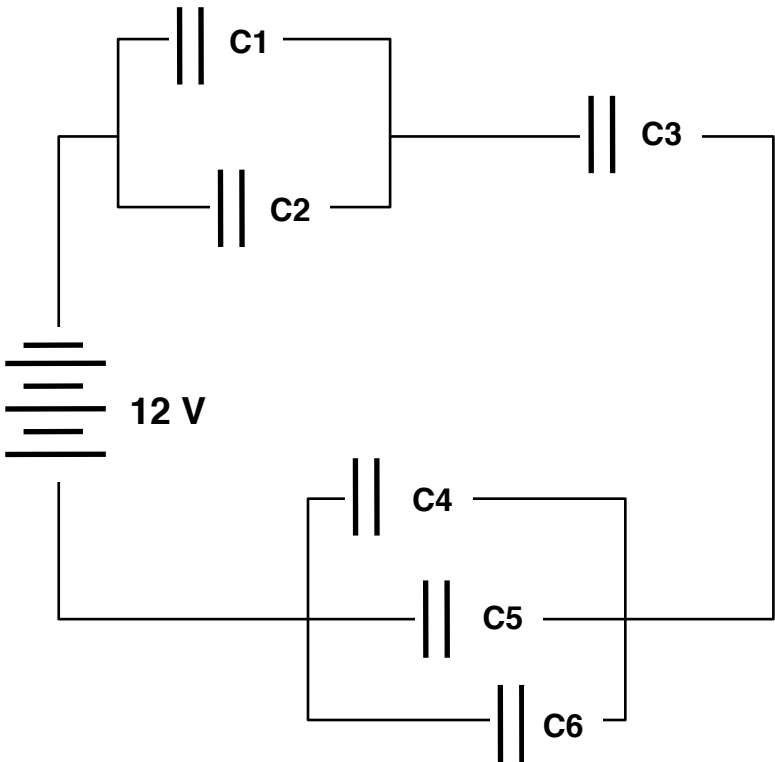


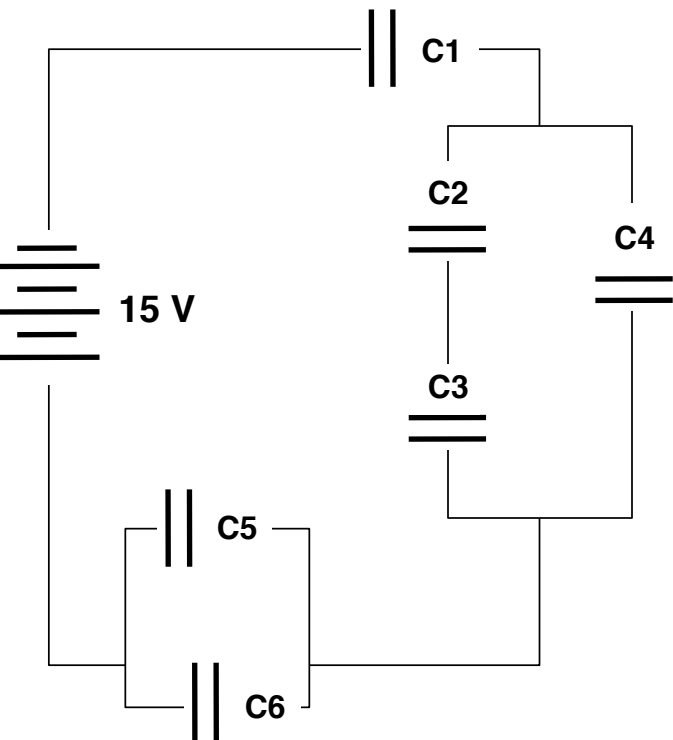
1. If a 25 F capacitor stores 1.5 J of energy, what is the charge stored on the capacitor?
2. What is the potential difference if a 47 μF capacitor uses 7.1 J of work to charge?
3. If 200J of energy is stored by a capacitor in a 6V circuit, what is the value of the capacitance?
4. If 49 mJ of energy is stored by a capacitor in a 1.5 V circuit, how much charge is on the capacitor?
5. How many extra electrons are stored on a 10 μF capacitor in a 20 V circuit?

Complete the table for the circuit below



	Q	V	C μF	W
C1			150	
C2			150	
C3			600	
C4			25	
C5			75	
C6			100	
T		12		

Complete the table for the circuit below.



	Q	V	C F	W
C1			40	
C2			18	
C3			36	
C4			8	
C5			10	
C6			30	
T		15		

-
6.

Find the charge on a 3.5 F capacitor if it is connected to a 12 V battery.
7.

How much energy is stored in a 4.7 μ F capacitor connected to a 9 V battery?
8.

What is the capacitance of a capacitor that holds 5 C of charge with a 10V potential?
9.

What is the energy stored on a capacitor in an 8V circuit that holds 120 μ C of charge?