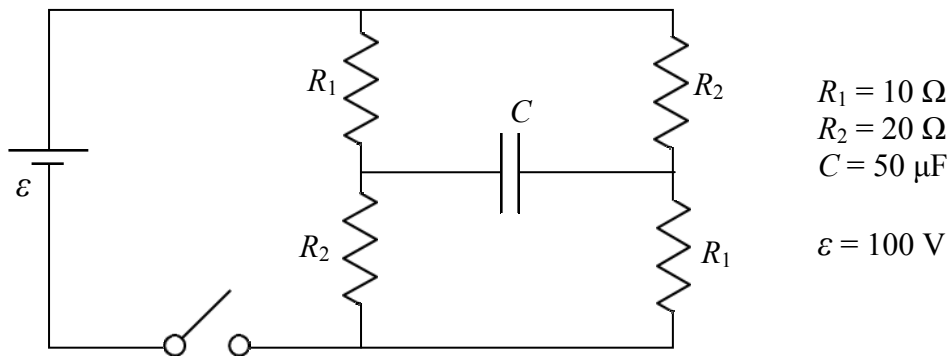


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Quiz 8A

In the circuit below, the switch is originally open and the capacitor is uncharged. At $t = 0$, the switch is closed.



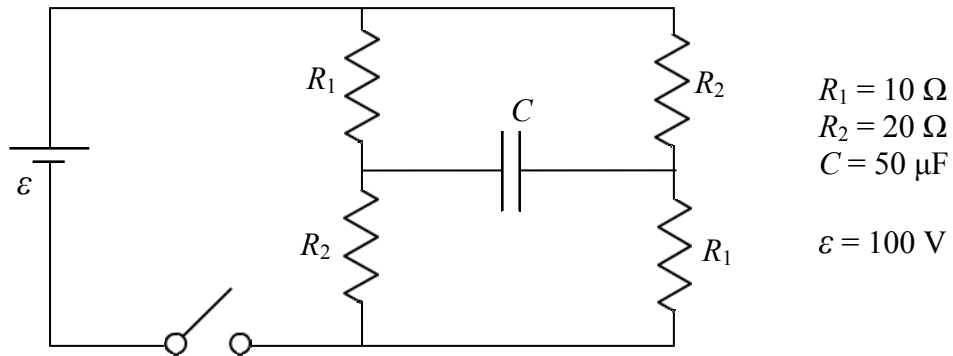
- a. What is the current through the battery right after the switch is closed?
- b. “A long time after the switch has been closed, the potential difference across the capacitor is ε ”. True or false? Explain.

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Quiz 8B

In the circuit below, the switch is originally open and the capacitor is uncharged. At $t = 0$, the switch is closed.



a. What is the current through the battery a long time after the switch is closed?

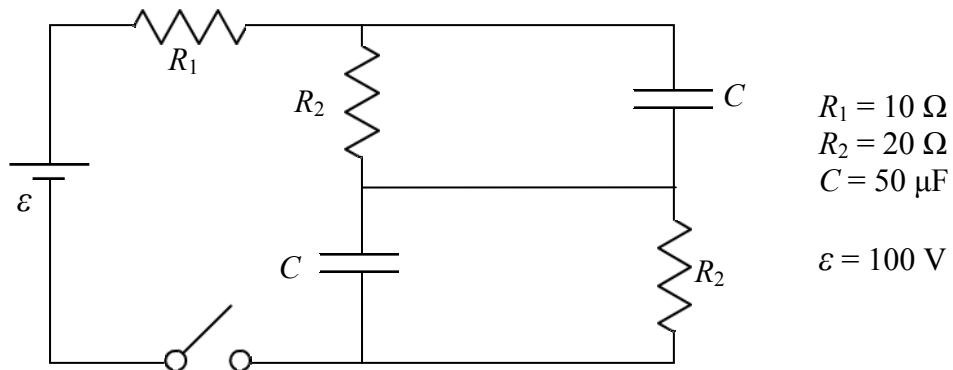
b. "A long time after the switch has been closed, the potential difference across the capacitor is ε ". True or false? Explain.

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Quiz 8C

In the circuit below, the switch is originally open and the capacitors are uncharged. At $t = 0$, the switch is closed.



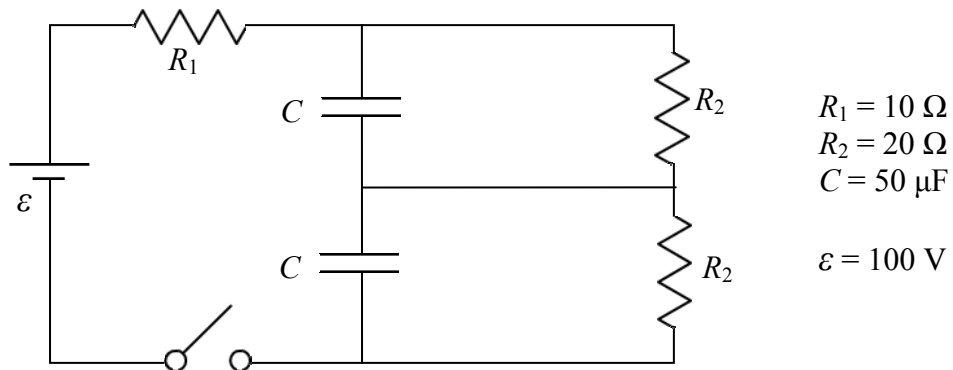
- a. What is the current through the battery a long time after the switch is closed?
- b. “A long time after the switch has been closed, the potential difference across each capacitor is $\varepsilon/2$ ”. True or false? Explain.

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Quiz 8D

In the circuit below, the switch is originally open and the capacitors are uncharged. At $t = 0$, the switch is closed.



a. What is the current through the battery a long time after the switch is closed?

b. "A long time after the switch has been closed, the charge in each capacitor is $\varepsilon C/2$ ". True or false? Explain.