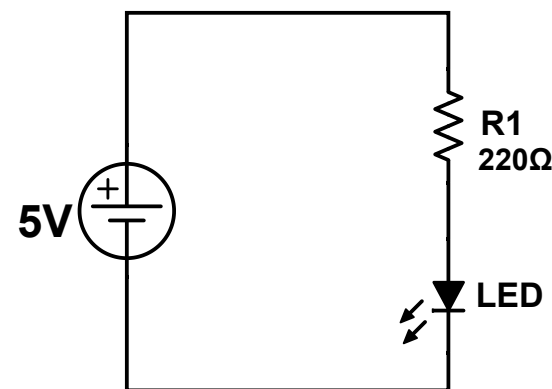
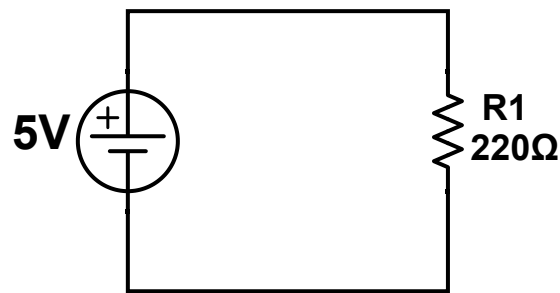
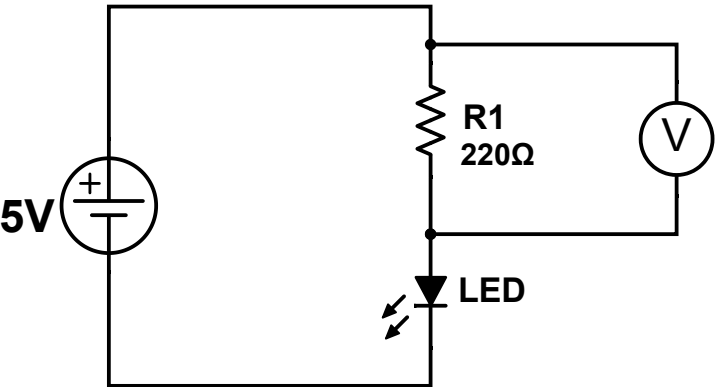


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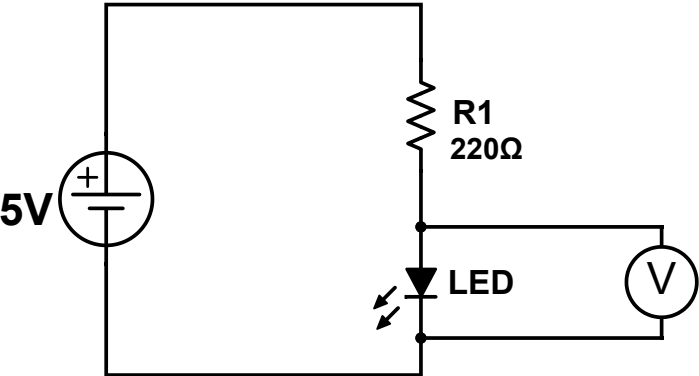
Lesson 2



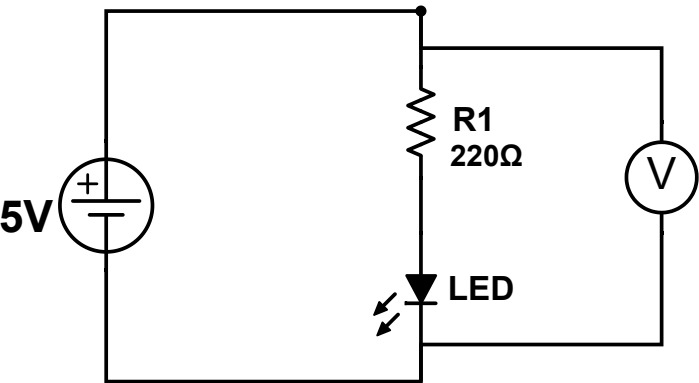
Lesson 3



V_{R1}	
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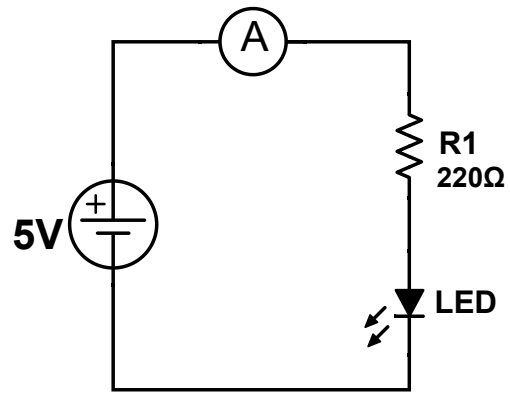


V_{LED}	
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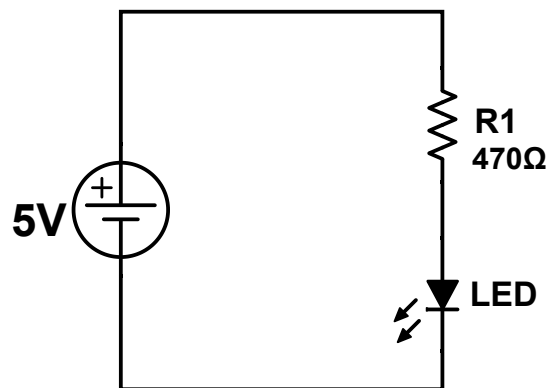


V_{tot}	
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What is the relationship between V_{R1} , V_{LED} , and V_{tot} ?



I_{tot}	
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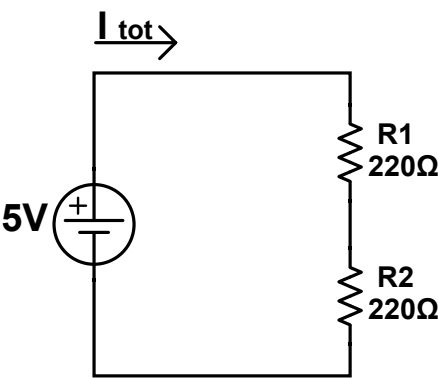


V_{R1}		I_{tot}	
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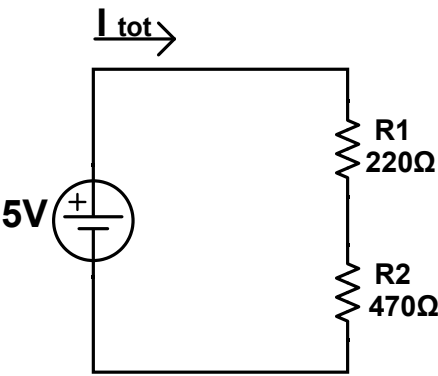
Ohm's Law: $I = V/R$

What current would we expect if R1 was 10kΩ?

Lesson 4

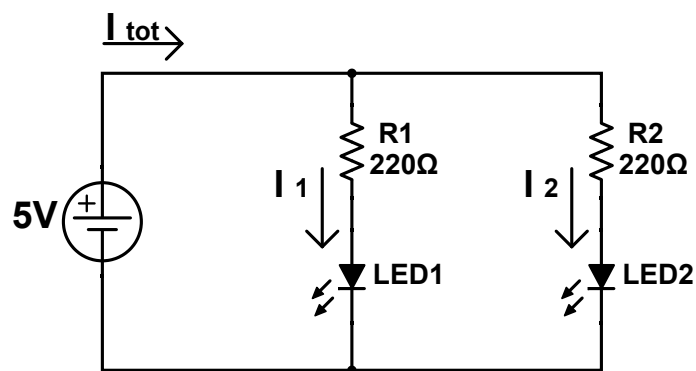


I_{tot} (meas.)		R_{tot} (calc.)			
V_{R1} (meas.)		V_{R2} (meas.)		$V_{R1} + V_{R2}$	



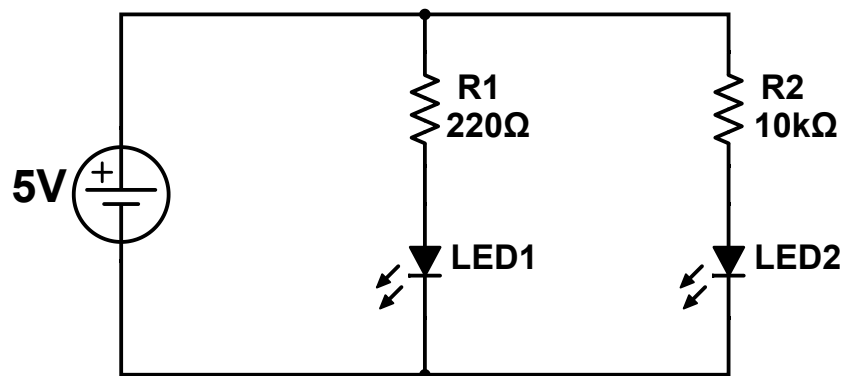
R_{tot} (calc.)		I_{tot} (calc.)		I_{tot} (meas.)	
V_{R1} (meas.)		V_{R2} (meas.)		$V_{R1} + V_{R2}$	

Lesson 5



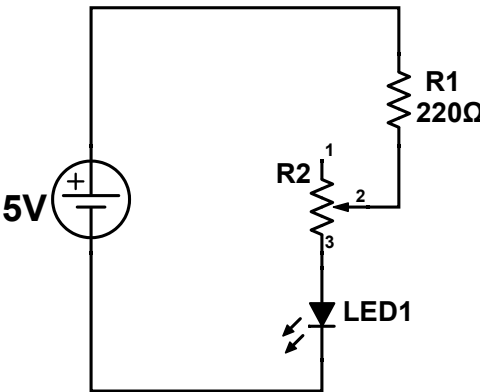
V_{R1} (meas.)		I_1 (calc.)		I_1 (meas.)	
V_{R1} (meas.)		I_1 (calc.)		I_1 (meas.)	
I_{tot} (meas.)					

What is the relationship between I_1 , I_2 , and I_{tot} ?

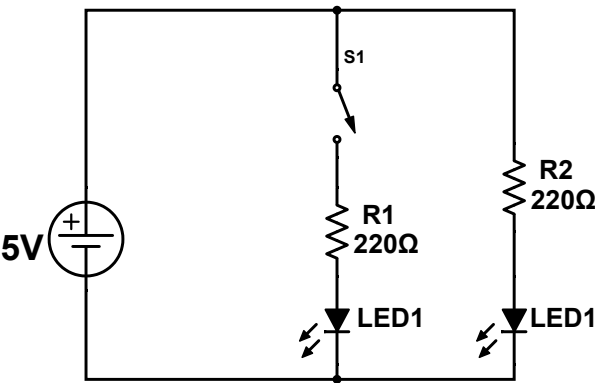
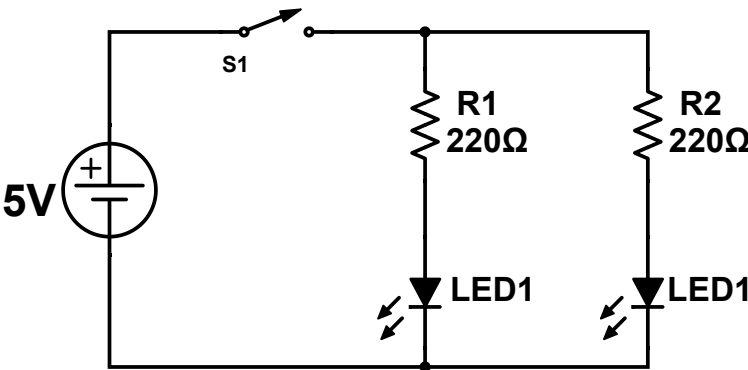


V_{R1} (meas.)		I_1 (calc.)		I_1 (meas.)	
V_{R1} (meas.)		I_1 (calc.)		I_1 (meas.)	
I_{tot} (calc.)		I_{tot} (meas.)			

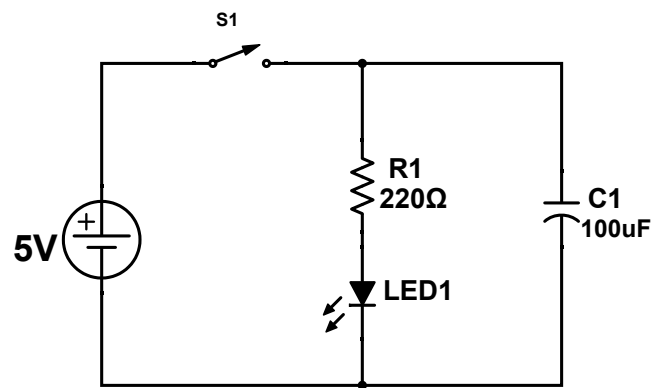
Lesson 6



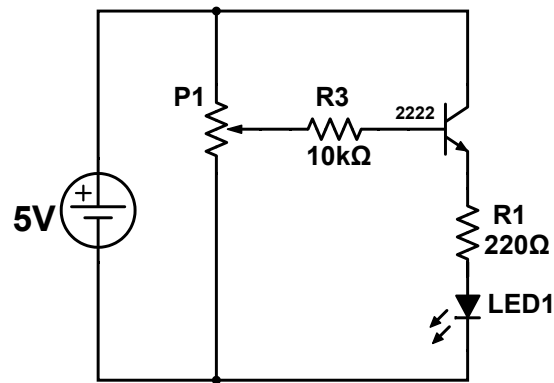
Lesson 7



Lesson 8



Lesson 9



V _{eb} to activate (meas.)	
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