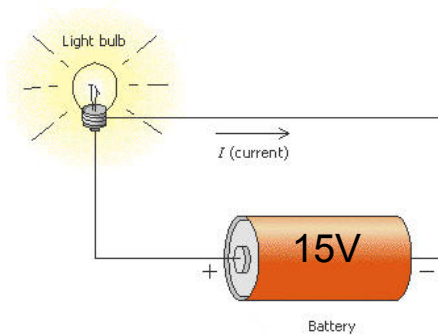


PSC-4111 Quiz#2

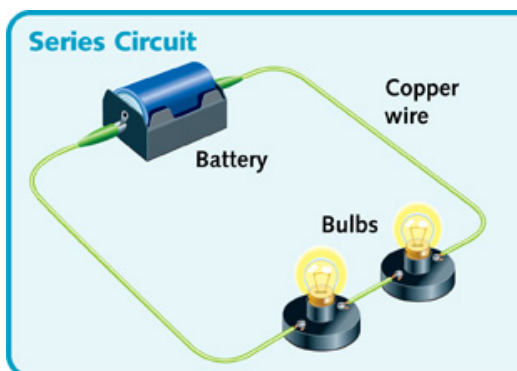
Name:

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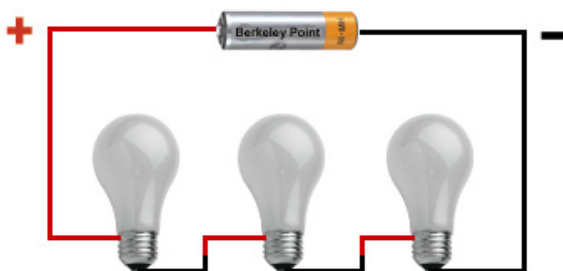
1. If the 15-V battery in the circuit below is replaced with a 9-V battery, then how will this affect the current intensity supplied to the bulb? Explain using the appropriate formula.



2. If one of the lightbulbs in the following circuit is removed (thus halving the resistance), how will the intensity of the current in the circuit be affected? Explain using the appropriate formula.



3. If the 1.5V cell in the circuit below is replaced with a 9V battery, how will the current intensity be affected? Explain using the appropriate formula.



4. How does the current intensity in diagram B compare with the current intensity in diagram A below? Explain using the appropriate formula.

