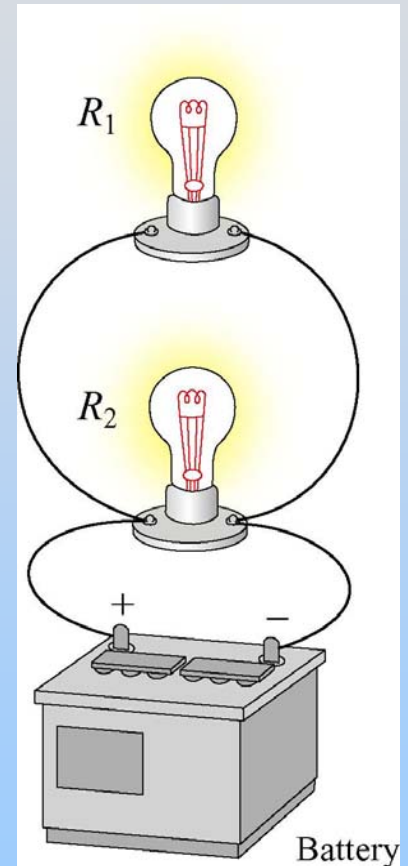


Concept Question: Power

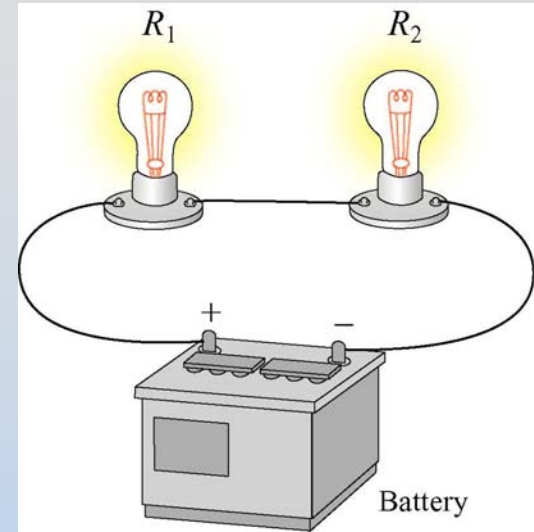
An ideal battery is hooked to a light bulb with wires. A second identical light bulb is connected in parallel to the first light bulb. After the second light bulb is connected, the power output from the battery (compared to when only one bulb was connected)

1. Is four times higher
2. Is twice as high
3. Is the same
4. Is half as much
5. Is $\frac{1}{4}$ as much
6. Don't know



Concept Question: Power

An ideal battery is hooked to a light bulb with wires. A second identical light bulb is connected in series with the first light bulb. After the second light bulb is connected, the light (power) from the first bulb (compared to when only one bulb was connected)

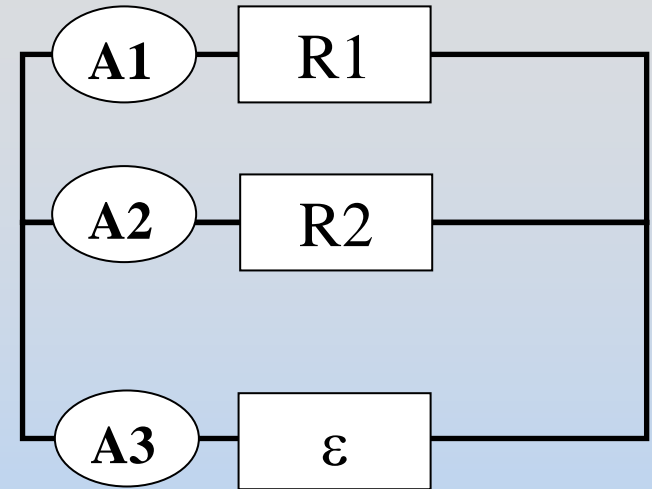


1. Is four times higher
2. Is twice as high
3. Is the same
4. Is half as much
5. Is $\frac{1}{4}$ as much
6. Don't know

Concept Question: Measuring Current

If $R_1 > R_2$, compare the currents measured by the three ammeters:

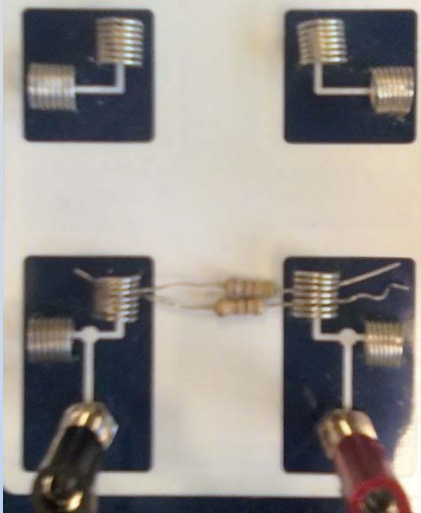
1. $A_1 > A_2 > A_3$
2. $A_2 > A_1 > A_3$
3. $A_3 > A_1 > A_2$
4. $A_3 > A_2 > A_1$
5. $A_3 > A_1 = A_2$
6. None of the above
7. I don't know



Concept Question: Expt. 1

In the experiment you built the following circuits:

#1



#2



How much current flowed in circuit 1 relative to circuit 2?

1. Four times as much
2. Twice as much
3. The same
4. Half as much
5. One quarter as much

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8.02SC Physics II: Electricity and Magnetism
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