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# B

## Brightness of a Lamp

In this section, I will

- explain how changing the number or type of components can make a lamp brighter or dimmer
- identify the five main types of scientific enquiry
- identify and explain patterns in results
- produce a table to explain results
- learn what the variables are when doing a fair test
- identify people who use science around me and describe how they use it

### Thinking cap

I wonder if anything will change if I add more lamps to a circuit...

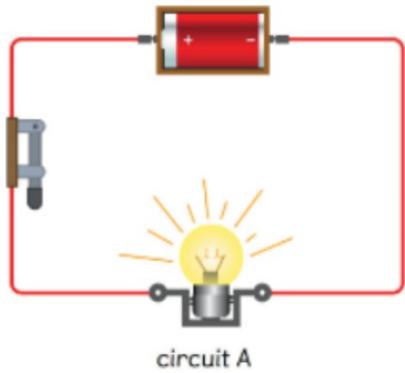


The brightness of the lamp decreases when we increase the number of lamps to a circuit.

## Let's Explore!

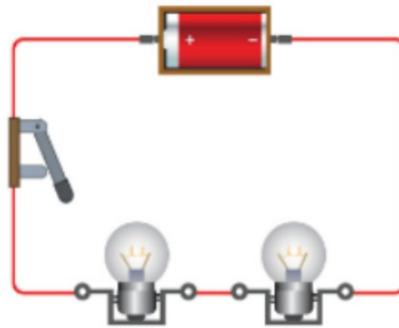
Spot the differences!

- I. Look at the two pictures below.



circuit A

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circuit B

2. What are the differences between circuit A and circuit B?
3. In pairs, predict what you will observe about the lamps in circuit B when the switch is closed.

Q2 -The switch in B is open while in A it is closed  
-The number of lamps in B are more than A

Q3. I think they will light up.