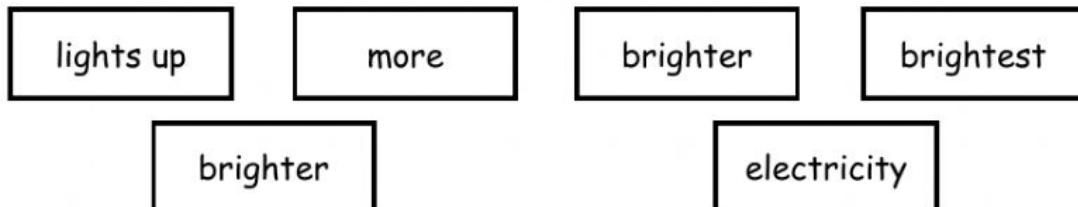


What happens when we change the number of batteries in a circuit?

Fill in the blank by typing the correct answer based on your observation



1. I make a complete circuit using a battery, wires, a lightbulb and a switch.  
The lightbulb \_\_\_\_\_.
2. I add one more battery to the circuit and turn on the switch.  
The lightbulb becomes \_\_\_\_\_.
3. I have four batteries. Now, I connected all the batteries in the circuit.  
The lightbulb is the \_\_\_\_\_.
4. From this activity, I found out that the lightbulb becomes \_\_\_\_\_  
When we add \_\_\_\_\_ batteries because there is more \_\_\_\_\_.

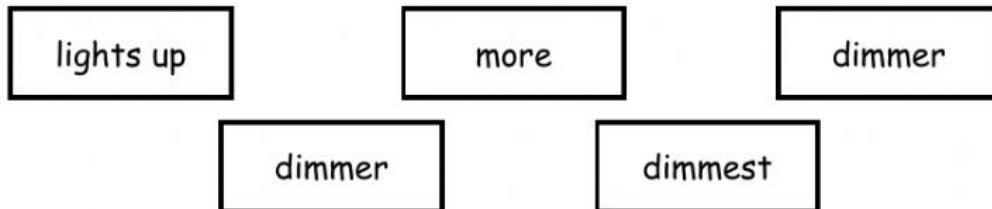


Conduct this activity virtually by using:

A screenshot of the 'Circuit Construction Kit: DC - Virtual Lab' interface. The main window shows a circuit diagram with a battery, a lightbulb, and a switch. To the right of the circuit, there are controls for the battery (voltage, polarity) and the lightbulb (brightness). Below the circuit, there are buttons for 'DOWNLOAD' and 'EMBED'. On the right side of the interface, there is a 'DONATE' button, social media icons for Facebook, Twitter, and Pinterest, and text stating 'PHET is supported by WILLIAM &amp; FLORA Hewlett Foundation and educators like you.' At the bottom, there is a list of links: 'ABOUT', 'FOR TEACHERS', 'TRANSLATIONS', 'SOFTWARE REQUIREMENTS', and 'CREDITS'. A small logo for 'Original Sim and Translations' is also present.

What happens when we change the number of bulbs in a circuit?

Fill in the blank by typing the correct answer based on your observation.



1. I make a complete circuit using two batteries, wires, a lightbulb and a switch.

The lightbulb \_\_\_\_\_.

2. I add one more lightbulb to the circuit and turn on the switch.

The lightbulbs become \_\_\_\_\_.

3. I add another lightbulb to the circuit.

The lightbulbs are now the \_\_\_\_\_.

4. From this activity, I found out that lightbulbs become \_\_\_\_\_  
when we add \_\_\_\_\_ lightbulbs to a circuit.

