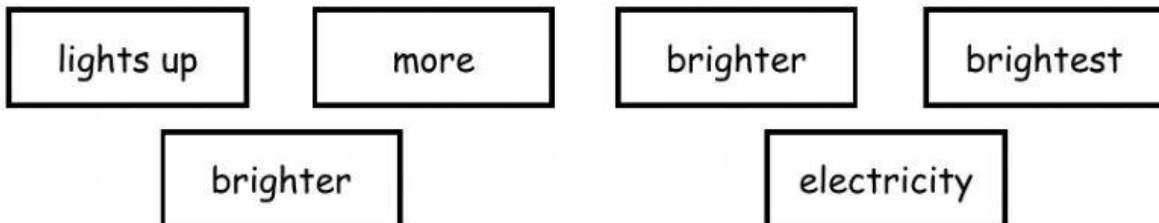


What happens when we change the number of batteries in a circuit?

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 _____.

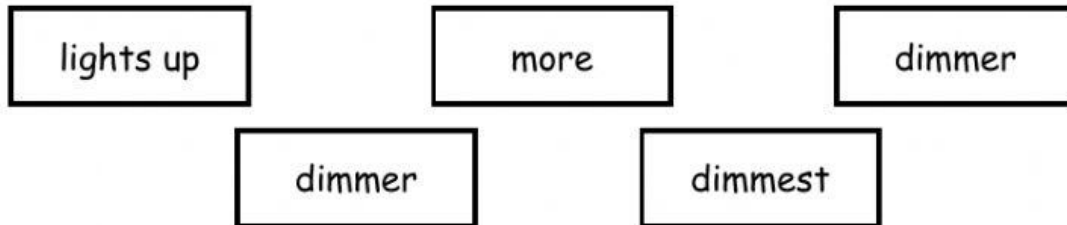


Conduct this activity virtually by using:

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. A large play button is in the center. To the right, there is a 'DONATE' button and a list of supporters including 'PHET is supported by WILLIAM & FLORA Hewlett Foundation and educators like you.' Below the main window, there are buttons for 'DOWNLOAD' and 'EMBED'. At the bottom, there is a list of links: 'ABOUT', 'FOR TEACHERS', 'TRANSLATIONS', 'SOFTWARE REQUIREMENTS', and 'CREDITS'. On the right side of the bottom section, there is a link for 'Original Sim and Translations'.

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.

