

Science Cells and Circuits

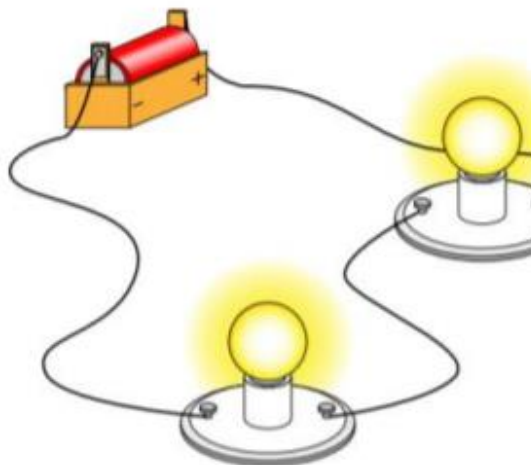
Activity 1: Complete the sentences with the correct word from the word bank.

Cells are also known as _____. The purpose of a cell is to push the _____ in the circuit. The cell provides the _____ to push the electrons around the circuit. A cell has a _____ and _____ symbol. A cell is not to be confused with the _____. The more cells you place in a circuit the _____ the push of the electrons will be. The _____ cells you place in a circuit the slower the push of the electrons will be.

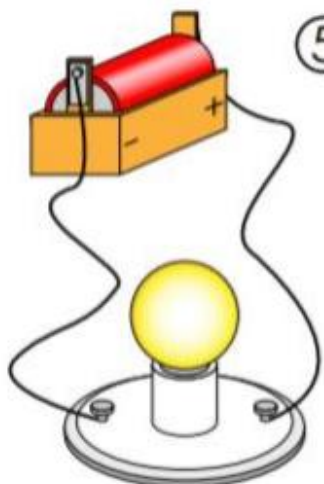
current, negative, batteries, energy, positive, greater, less, electrons

Activity : Can you look at the diagrams below and explain how the cell will effect the bulb in the circuits.

a)



b)



Science cells and circuits answers

Activity 1:

Cells are also known as **batteries**. The purpose of a cell is to push the **electrons** in the circuit. The cell provides the **energy** to push the electrons around the circuit. A cell has a **negative** and **positive** symbol. A cell is not to be confused with the **current**. The more cells you place in a circuit the **greater** the push of the electrons will be. The **less** cells you place in a circuit the slower the push of the electrons will be.

Activity 2:

A) As there is only one cell in the circuit and two bulbs, the bulbs will be dimmer. This is because the energy from the cell is being shared between both bulbs.

B) The bulb will be bright as there is one cell and one bulb, so all the energy is being used to light the bulb.