



Y3/Y4 -As Scientists, our big question is...

How can you light up your life? (Electricity)



REMEMBERING



Prior Learning

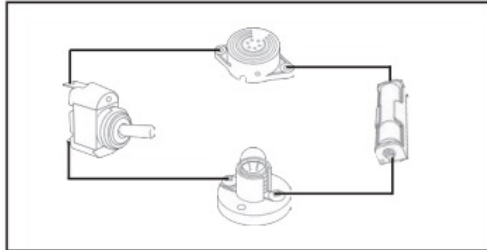


1. **Renewable energy sources** are sources like solar and wind power where the resources can be used over and over again (will not run out)

UNDERSTANDING



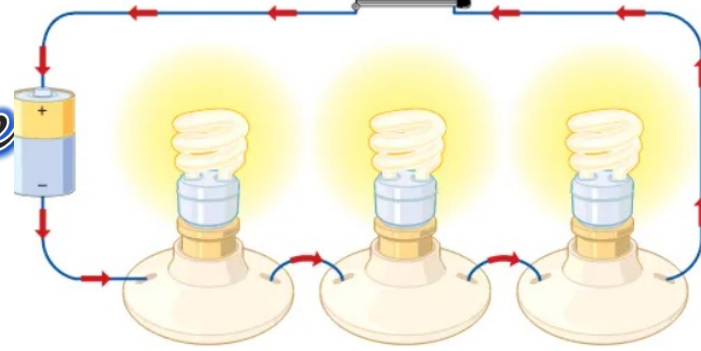
Sticky Knowledge



2. An electrical circuit needs a power source and a linked path around which electricity can flow. A power source could be a battery or mains electricity.

3. Wires attach to each terminal (positive and negative) end of a battery to complete a circuit.

4. When electrical components are arranged along one wire that does not branch, it is called a series circuit.



APPLYING



My Aspiration

Torches and laptops can be powered by batteries whereas appliances such as dish-washers and televisions are usually powered by mains electricity. To use mains electricity an appliance must have a plug.

What are the definitions of each of these Science topic words?

(A) bulb/ lamp

(B) battery

(C) Electrical conductor

(D) An electrical insulator

(E) circuit

(F) Prediction

A component that converts electrical energy into light energy.

A source of electrical energy.

Something that allows electricity to pass through it.

Something that does not allow electricity to pass through it.

A linked path around which electricity can

What you think might happen.