

SCIENCE KNOWLEDGE ORGANISER – YEAR SIX

ELECTRICITY



KEY VOCABULAR Y

Circuit- A path that an electrical current can flow around.

Symbol- A visual picture that stands for something else.

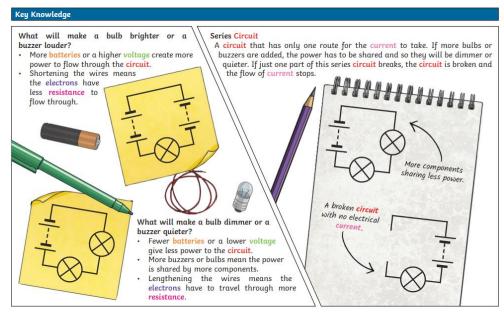
cell/battery- A device that stores chemical energy until it is needed. A cell is a single unit. A battery is a collection of cells.

Current- The flow of electrons, measured in a mps. a mps How electric current is measured.

Voltage- The force that makes the electric current move through the wires. The greater the voltage, the more current will flow.

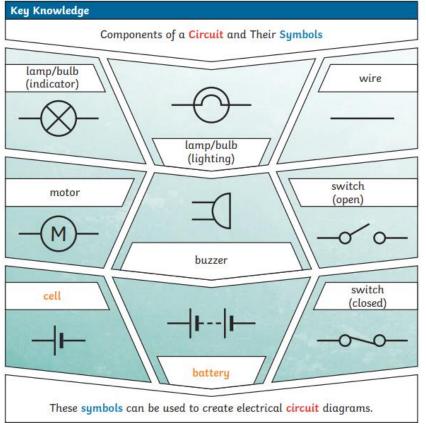
Resistance- The difficulty that the electric current has when flowing around a circuit.

Electrons- Very small particles that travel around an electrical circuit.



KEY QUESTIONS TO LEARN

- Can I identify how our understanding of electricity has changed over time?
- Can I recognise the symbols that make up a circuit diagram?
- What would happen to an electrical appliance that requires 3V if it were powered by 5V cell or battery?
- Can I recognise what a variable is in a scientific investigation?



FLASH BACKS TO REMEMBER

- Can I identify common appliances that run on electricity? (Y4 -Electricity)
- How will a lamp light in a simple circuit? (Y4 Electricity)
- What is the role of a switch in a simple circuit? (Y4 Electricity)
- Can you name some common conductors and insulators associated with different materials? (Y4 - Electricity)

