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| Skills and knowledge Questions | |
| 1 | **Can I identify common appliances that run on electricity?** |
| 2 | **How can I construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires and buzzers?** |
| 3 | **Can I identify whether or not a buzzer will work in a basic circuit and use the correct symbols to record?** |
| 4 | **Can I recognise some common conductors and insulators, and associate metals with being good conductors?** |
| 5 | **Can I design, make and evaluate a product with an electrical circuit?** |

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| Interesting facts |
| Electricity travels at the speed of light, which is 186,000 miles per second |
| Electricity can be created using water, wind, the sun, and even animal waste. |
| When lightning strikes, it flows from the cloud to the ground, but the part we see is actually the charge going from the ground back up into the cloud |
| Electricity is present in our bodies – our nerve cells use it to pass signals to our muscles. |

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| **Vocabulary** | |
| **Word** | Definition |
| **electrical** | Having to do with electricity; electric |
| **circuit** | A pathway that electricity can flow around, It is based on wires and a power supply. |
| electrical **conductor** | A material that allows electricity to flow through it. |
| electrical **insulator** | A material that does not allow electricity to flow through it. |
| **cell** | An electrical power supply which converts stored energy into electrical potential energy |
| **evaluate** | Judge the quality, value or relevance of something you've done. |
| **innovate** | To bring something new to something. |



