



Y6 Knowledge Organiser Electrical Systems –Hand Held Game



Key Knowledge

What is a conductor? A material that allows electricity to flow through it, eg: metal

What is an insulator? A material that does not allow electricity to flow through it, eg: plastic

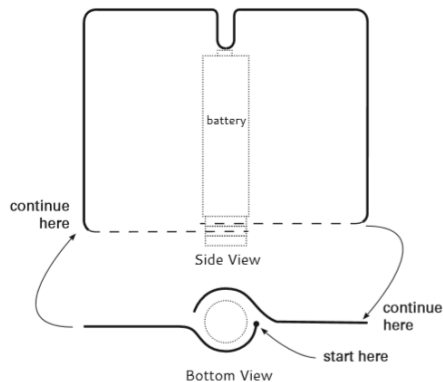
What are the dangers of batteries? They can leak acid or become overheated

Building a homopolar motor:

Stack the three magnets

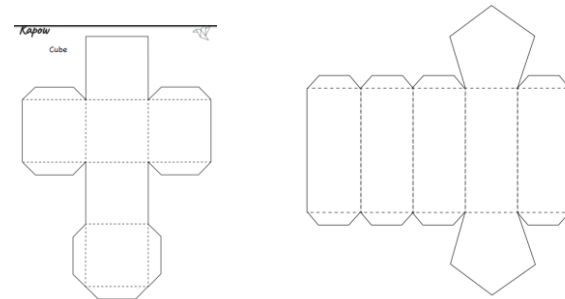
- Place them on the negative side of the battery, putting it upright so that the positive end of the battery faces upwards.
- Place the wire shape over the top of the battery so that the point sits on the very top of the battery and the bottom curves around the magnets at the bottom.

Homopolar Motor

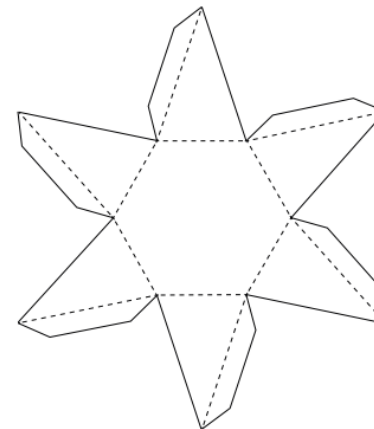


Key Knowledge

Different Nets



Hexagonal Based Pyramid



Vocabulary

- Conductor
- Insulator
- Symmetrical
- Systems
- Electrical
- Homopolar Motors
- Batteries
- Magnets
- Template
- Pliers
- Electromagnetic motor