



Metals shine

Background knowledge

There are many different metals, but they all have some things in common. All metals look shiny. They all allow electricity to pass through them. They can be pulled into wires. They can be flattened into thin sheets, such as aluminium foil. They feel cool when touched and get very hot when heated. A block of metal will make a ringing sound when hit. Some metals are attracted to magnets.

Science activity

Lindsay and Lisa did some experiments to find out the properties of different objects. They noted down their results in the table below.

Experiment	Object 1	Object 2	Object 3	Object 4	Object 5	Object 6
Is it attracted to a magnet?	Yes	No	No	No	No	No
Can electricity pass through it?	Yes	Yes	Yes	No	No	Yes
Does it feel cold?	Yes	Yes	No	No	No	Yes
Does it look shiny?	Yes	Yes	No	Yes	No	Yes

Write down the numbers of the objects that were made from metal.



Science investigation

⚠ Take extra care - ask an adult to supervise you.

Ask an adult to help you build an electrical circuit with a battery, a bulb, and some wires. Cover the battery connectors with different materials before connecting it to the wire. Observe if the bulb lights up. Remember, metal allows electricity to pass through it.

