

Folded foil wires

Name: _____ **Date:** _____

Folded strips of aluminium foil can replace wires, switches, light bulb contacts and connecting points for batteries. Folded foil wires can be used easily to form right-angle turns that can lie flat, making it easier to follow the path of the electrical current.

Foil can bend and tear easily and is difficult to handle when trying to make contact with a battery. It can also break if bent too often in the one place.

Aim

To make folded strips of aluminium foil to use as wires, switches, light bulb contacts and connecting points for batteries.

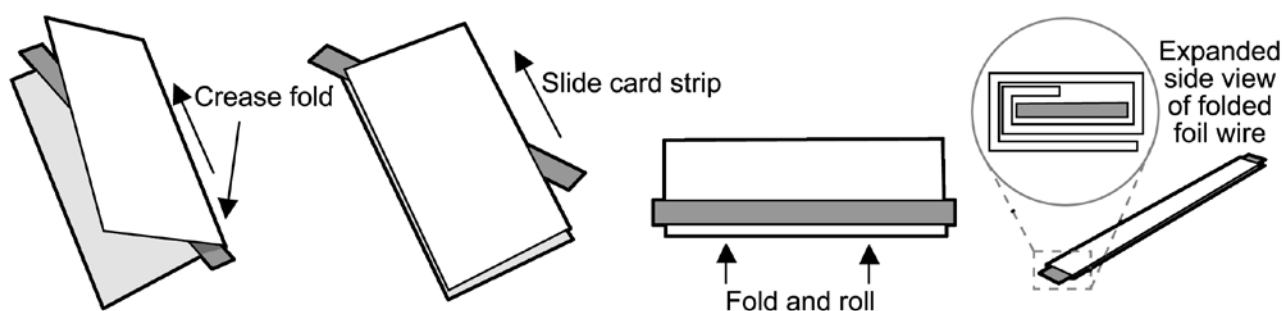
Equipment

- thin cardboard strips (1cm x 30cm)
- foil pieces (8cm x 30cm)

Procedure

Follow the instructions below to fold the foil wires. The cardboard strip can act as a foil cutter and a rolling guide.

- 1 Lie the cardboard strip along the long edge of a piece of foil.
- 2 Fold the foil around the strip, forming a flat ribbon.
- 3 Pull out the cardboard strip, and repeat with the other pieces of foil.



The 30cm-long folded foil wires can be cut or torn to size. Shorter pieces can be used to make battery connecting points and switches.