



Name: Form:

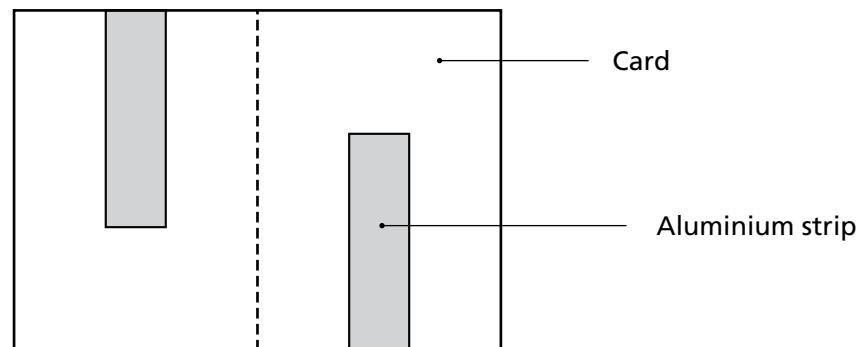
Based on pages 14 and 15 of *Simple electricity*

Make your own switch

Try this...

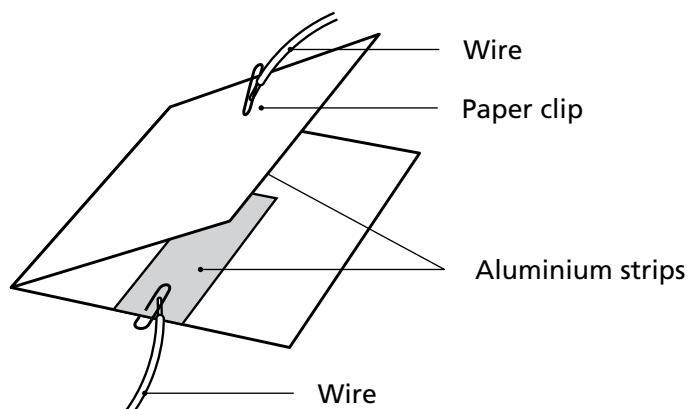
1. Take a piece of card, fold it in half and open it out again.
2. Cut out two strips of aluminium foil and paste them in place as Diagram 1 shows.

Diagram 1



3. Fold the card again to make sure the strips overlap and touch when the card is shut.
4. Connect the ends of two pieces of wire to two paper clips.
5. Fasten the paper clips to each aluminium strip as Diagram 2 shows.

Diagram 2



You have now made a switch.

6. Test your switch in a circuit with a bulb and a battery.
7. This switch is called a pressure pad switch. It could be put under a piece of carpet and used as part of a burglar alarm. A light, or buzzer, could be set up to go off when the carpet is trodden on.