

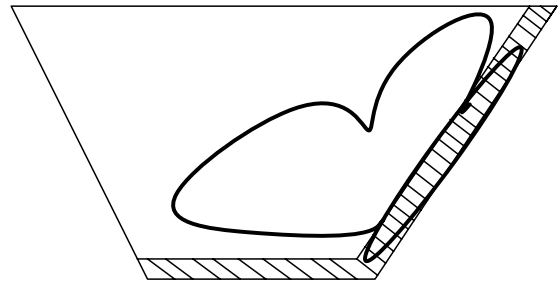
Chromatography Butterfly

What you need:

- Felt markers, in several colours
- Coffee filter
- Shallow dish of water
- Scissors

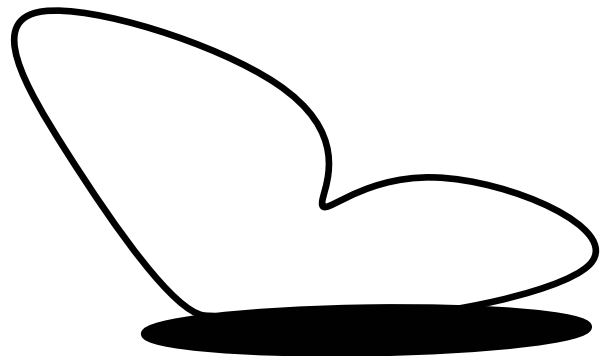
What to do:

- 1.** Draw a picture of a butterfly on the coffee filter.
Use the seam of the filter for the butterfly's body and extend the wings onto the filter.



- 2.** Cut out the butterfly shape.

- 3.** Colour the body of your butterfly with several colours of felt marker. The body will turn black or very dark brown. Leave the wings white.



- 4.** Dip the black body of your butterfly into a shallow dish of water, and watch the colours spread up the wings.

How it works:

The black colour of the body is really made up of lots of other colours. The ink is drawn along tiny tubes within the paper in a process called *capillary action*. Heavier colours don't move as far as lighter ones, so the colours spread out gradually as the water moves further out into the wings of your butterfly.