



Colour in bubbles

Notes for Parents and Carers

This activity encourages careful observation.

In the first part putting the cold bottle into hot water makes the bubbles get bigger. The colours on the bubbles change, sometimes quite quickly.

In the second part it is important not to have the bubble liquid too concentrated or it will take a long time for the film to break. Your child may see the colours swirling a little as they go downwards.

They are much the same colours as in a rainbow, but in a different order, and formed in a different way.

Encourage your child to guess why the colours change as they watch.



Science and Technology

Name: _____

Colour in bubbles

You will need:

1 empty bottle
a large saucepan
washing-up liquid

~ Put a little cold water in the bottle.

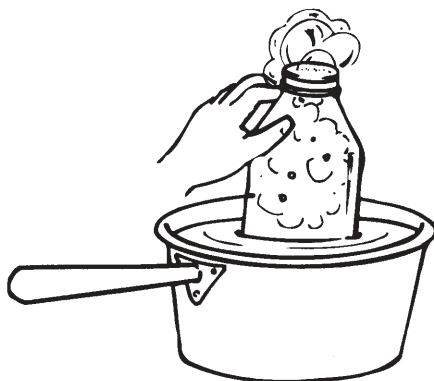


~ Add a squeeze of washing-up liquid.



~ Put your hand over the top of the bottle and shake it hard.

~ Half fill the saucepan with hot water from the tap and put it under a light.



~ Hold the bottle down in the hot water.

What can you see at the top of the bottle?

Watch the colours on the bubbles.

~ Which colour comes **last**, just before the bubble bursts.



blue

green

purple

violet

yellow

red

orange

white

If you didn't see the colours the first time, try again.

~ Pour out the liquid on your hands.

~ Rub your hands together.

~ Make a film of the bubble mixture between your thumb and first finger.

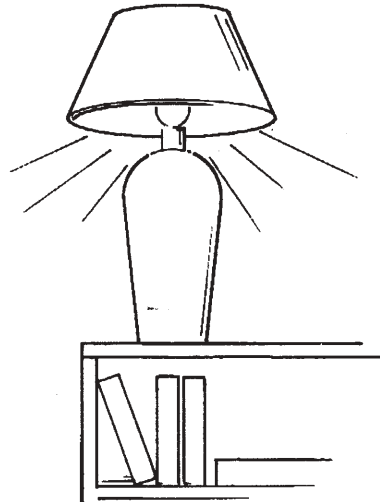
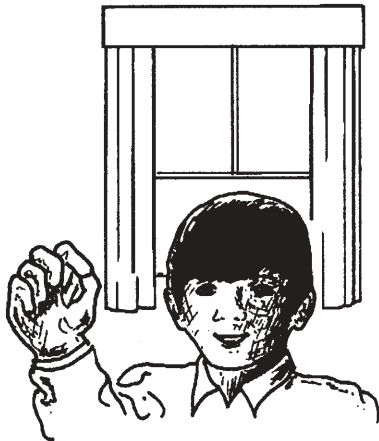


~ Keep the film upright.

window

or

light



- ~ Stand with your back to the light and watch the colours in the bubble film.*
- ~ Try to remember all the colours you see.*
- ~ Watch patiently until the film breaks.*

*Which colour comes **last**, just before it breaks?*

Why do you think the colours change?

Draw a picture of the bubble film showing all its colours on the back of this sheet.
