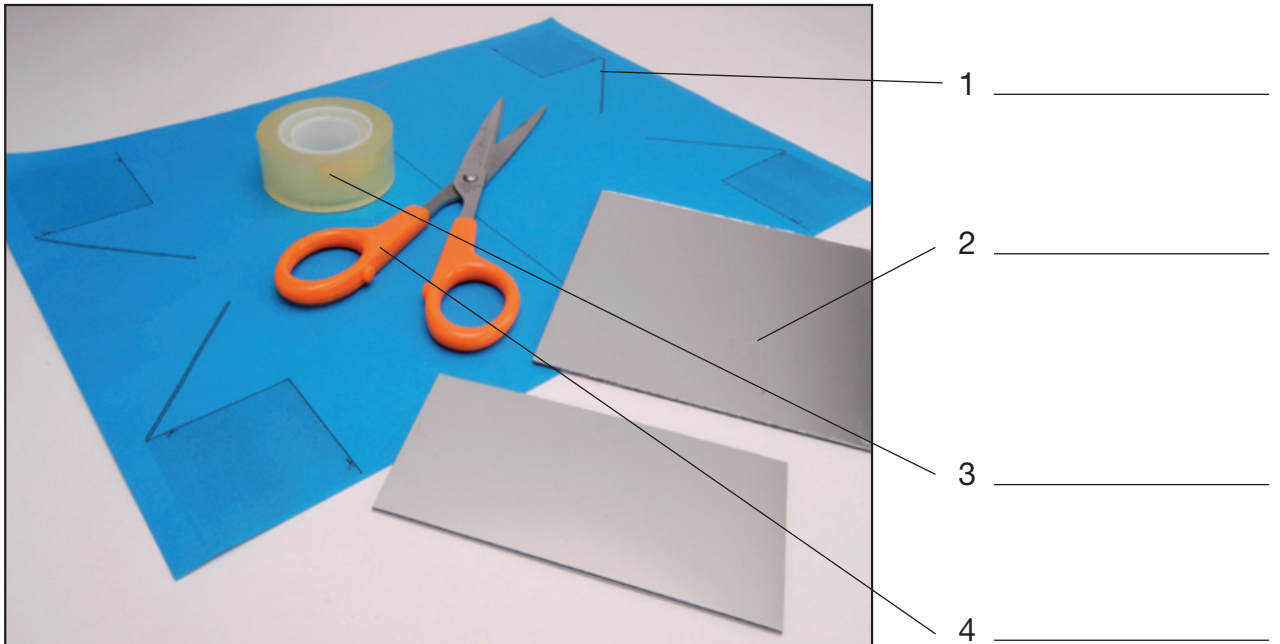


Exercise 1

Vocabulary: Materials

Label the diagram with the materials you used for this experiment.

periscope template      mirrors      sticky tape      scissors



Exercise 2

Vocabulary: Preposition phrases

Complete the instructions for the experiment with the correct preposition phrase from the box.

from different places      round it      into each end      into a tube  
along all the lines

- 1 Cut \_\_\_\_\_ on the template till you're left with the two pieces of card.
- 2 Roll and tape one half \_\_\_\_\_.
- 3 Roll and tape the other half \_\_\_\_\_ ... like a telescope.
- 4 Slot a mirror \_\_\_\_\_ and tape in place.
- 5 Look through the periscope \_\_\_\_\_ around the classroom.

Look at your experiment sheet and check your answers.

## Exercise 3

## Conclusions: Speaking, Writing

What did you learn from this experiment? What have you learned about how light travels? What happens when light hits a mirror? How is it possible for you to see things with the periscope? Talk with a partner then complete the sentences together.

Use the words in the box to help you.

- 1 Light travels in \_\_\_\_\_ .
- 2 Light is reflected by \_\_\_\_\_.
- 3 Periscopes let us see events and things we could not see before. They work by using \_\_\_\_\_.

multiple mirrors    mirrors    straight lines

## Exercise 4

## A Scientific Report: Writing

Now write a report on your experiment. Use the language provided to help you.

## Useful Language

*useful language for writing a Scientific Report*

1. *Say what you made*

*We made ...*

2. *Say how you made it*

*First we cut ...*

*Then we taped ...*

*After that we rolled and taped ...*

*Then we slotted ... and taped ...*

*And then we looked ...*

3. *Write your prediction here*

*When the image is the right way up, the periscope will be ...*

*When the image is the wrong way up, the periscope will be ...*

