

2 Read the information boxes and write the missing words from the box.

look • they • when • color • look

How do we see?

Light goes into your eyes and your brain uses this information to make a picture in your head.

It looks like the picture is moving, but it is not! Why do we see things that are not true?

Brain cells get excited ¹..... you see something new, but then they relax. When you see a light color next to a dark color, brain cells get more excited, but relax quickly. When you see a light color next to another light ²....., brain cells get less excited and relax slowly. The colors and shapes in the picture make your brain think it's moving. This is one reason why the picture moves when you ³..... at it.

Why are these pictures special?

People enjoy looking at pictures like this because you can see things that are not true. ⁴..... you ⁵..... at the first picture, it moves. When you look at the other picture, you see diagonal lines, but the lines are really straight. What else do you see in the pictures?

What do you see when you look at the black squares?

Some people see dots when ⁶..... look at the squares. This is because our brain cells are working to see both light and dark colors.

