

KS1 Science Quiz - Energy - Light, Colours and Rainbows (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Science for children aged 5 and 6 in years 1 and 2. Specifically this quiz is aimed at the section dealing with light energy, colours and the rainbow.

Light is an energy. It brightens up the world. It lets us see the world around us. But light is also colourful. At home and at school you will have done colouring and used paints. Colours make things look smart. There is colour all around us. Flowers make gardens bright. Rainbows in the sky are beautiful. This quiz is all about light energy, and the colours of the rainbow.

1. Why are flowers so bright and colourful?



- So they look nice
- So we will pick them
- So they will attract lots of bees and butterflies
- So they warn off bees and butterflies

2. Why are fire engines painted bright red and yellow?



- So they look good
- So they stand out and can be seen easily
- So they look smart
- So they look clean

3. Most plants are _____ in colour.



- Red
- Yellow
- Green
- Blue

4. In winter, the Sun is very low in the sky. The sunlight is not as white. What colour is the sunlight when the Sun is very low in the sky?



- Blue
- Green
- Grey
- Yellow

5. What does a red light mean?



- Stop
- Go
- Keep going
- Turn round

6. Daylight comes from the Sun. Daylight is often called:



- White light
- Blue light
- Red light
- Green light

7. What do people say is at the end of the rainbow?



- Yellow bricks
- A pot of gold
- A silver lining
- Dark clouds

8. Amy is in a park. She is blowing bubbles. She looks carefully at one of the bubbles. What does she see?



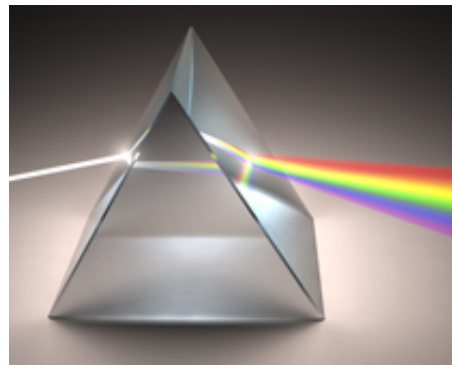
- Nothing
- Lots of different colours
- The bubble is grey
- The bubble is red

9. Alice has painted this picture. What is it?



- A bridge
- A tunnel
- A scarf
- A rainbow

10. This is a prism. It is a block of glass. Toni shines a ray of white light through the prism. What does she see on the other side?



- White light
- Nothing
- The colours of the rainbow
- Only yellow light

KS1 Science Quiz - Energy - Light, Colours and Rainbows (Answers)

1. Why are flowers so bright and colourful?



- So they look nice
- So we will pick them
- So they will attract lots of bees and butterflies
- So they warn off bees and butterflies

What is your favourite flower? And what is your favourite colour?

3. Most plants are _____ in colour.



- Red
- Yellow
- Green
- Blue

Plants are green. The green colour helps plants to catch the sunlight. They need the light to grow

2. Why are fire engines painted bright red and yellow?



- So they look good
- So they stand out and can be seen easily
- So they look smart
- So they look clean

Red means danger. The fire engine can be seen easily. Fire engines also have bright flashing lights. Police cars are painted in bright blue and yellow so they stand out. They have bright blue flashing lights. Ambulances are painted in bright green and yellow so they stand out. They have flashing lights, too.

4. In winter, the Sun is very low in the sky. The sunlight is not as white. What colour is the sunlight when the Sun is very low in the sky?



- Blue
- Green
- Grey
- Yellow

The Sun is still very powerful. Remember, never to look directly at the Sun

5. What does a red light mean?



- Stop
- Go
- Keep going
- Turn round

Red lights are used on roads and on railways

6. Daylight comes from the Sun. Daylight is often called:



- White light
- Blue light
- Red light
- Green light

The sunlight is white in the picture. What colour is the sky?

7. What do people say is at the end of the rainbow?



- Yellow bricks
- A pot of gold
- A silver lining
- Dark clouds

Is there really a pot of gold at the end of the rainbow?

8. Amy is in a park. She is blowing bubbles. She looks carefully at one of the bubbles. What does she see?



- Nothing
- Lots of different colours
- The bubble is grey
- The bubble is red

The surface of the bubble is all different colours. The colours swirl about

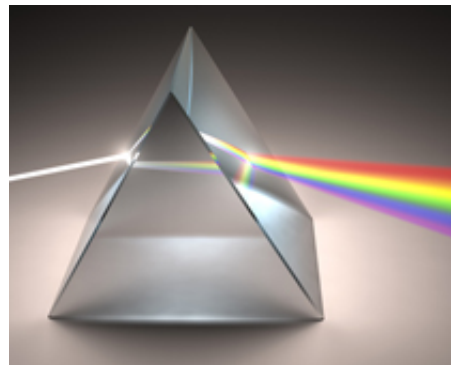
9. Alice has painted this picture. What is it?



- A bridge
- A tunnel
- A scarf
- A rainbow

Have you seen a rainbow? What colours can you see in a rainbow?

10. This is a prism. It is a block of glass. Toni shines a ray of white light through the prism. What does she see on the other side?



- White light
- Nothing
- The colours of the rainbow
- Only yellow light

Have you ever done this at school?