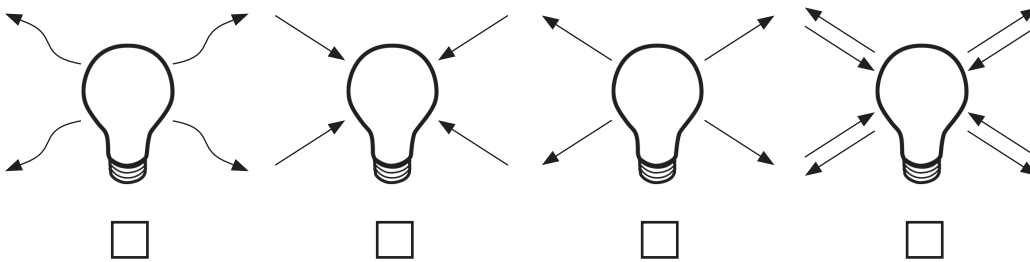


Science - Test Your Skills

Year 6 Light



1. Look at the pictures of bulbs below. Put a tick next to the picture which correctly shows how the light could travel from the bulb.



1 mark

2. Fill the gaps: Choose from the words listed below.

reflect repel attract emit absorb conduct

1 mark

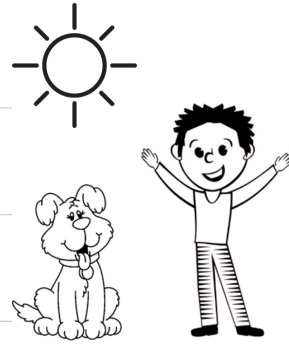
We can see objects because they either light or
..... light into our eyes.

3. Cross out the incorrect words in bold to complete the paragraph below.

Light shines **from / to** a light source. Without a light source, we could see **everything / nothing**. When light hits an opaque object, it **passes through / is reflected**. If this light enters our eyes, we **can / cannot** see the object. Sometimes an object **blocks / attracts** light. When this happens, a **shadow / refraction** is formed where the light can't reach.

1 mark

4. Explain how the man can see the dog.



2 marks

5. Cross out the incorrect words in bold to complete the paragraph below:

Shadows look like the **object / light source** that is casting the shadow.

Shadows occur because light is **blocked out / allowed to pass through**

when it hits **a transparent / an opaque** object.

1 mark

6. Match the parts of the eye to the correct function:

- | | |
|-------------|--|
| Optic nerve | The black hole at the centre of the iris |
| Retina | The part that focuses light rays on retina |
| Pupil | The part of the eye that is sensitive to light |
| Lens | Connects the eye to the brain |

1 mark

7. Fill the gaps to explain how refraction occurs: Choose from the words below.

opaque size transparent speed direction shape

Light waves travel at a different when they go through
.....materials, such as water or glass. This causes the rays
of light to change and bend. This is known as refraction.

1 mark

8. Explain how we see rainbows in the sky:

2 marks



/10

Total