

Explore Science



Unit Summary

Samples

1B Module 6: The Sun and Light

Unit 10 Day and night

Let's review what we have learnt!



Every day, we see the Sun 'rises' in the **east** and 'sets' in the **west**.

Sunlight is made up of different **colours**. The sky is bright in the daytime and dark at night. People and animals usually **do different activities** in the daytime and **rest** at night.

1B Module 6: The Sun and Light

Unit 11 Sources of light

Let's review what we have learnt!



The **Sun** is the main source of light. Other common sources include **electric lights** and **fire**.

We can use light for **lighting**, **decoration**, **entertainment** and **keeping us safe**.

When light shines on an **opaque object**, it makes a **shadow**. The size of a shadow can change. When we move an object closer to the light source, the shadow becomes bigger. When we move an object farther away from the light source, the shadow becomes smaller.

4B Module 7: Light and Electricity

Unit 15 Light

Let's review what we have learnt!



Some light comes from a **light source**. Some light is **reflected from objects**.

The reflection of light on a smooth surface is more concentrated. This forms a clearer image. The reflection of light on an uneven surface is more scattered. This forms a blurrier image.

The position of the shadow of an object and the position of the light source are **opposite** each other. When a light source shines from a low position on an object, the shadow is **longer**. When a light source shines from a high position on an object, the shadow is **shorter**.

The sun rises in the east and sets in the west. The position of an object gradually moves from the west to the east from the morning to the afternoon. The shadow is longer in the morning and afternoon, and it is shorter at noon.

4B Module 7: Light and Electricity

Unit 16 Closed circuits

Let's review what we have learnt!



A closed circuit is a complete circuit that lets electricity flow through.

A **lightbulb** needs to connect to electricity to light up. We need to place a **battery** correctly and **connect** the lightbulb and the battery with a **wire** to form a closed circuit.

A **switch** in a circuit is used to control the **electric appliances** conveniently and safely.