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FREE LEARNING NOTES FOR ZAMBIA

GRADE 2 · TERM 2

Science

Sources of light

Lesson notes for learners · Competence-Based Curriculum

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Light helps us to see. Light comes from the sun, from a torch and from a lamp. In this note you will learn what light does and the difference between natural and artificial sources of light.

AFTER THESE NOTES YOU SHOULD BE ABLE TO

- Say what light does
- Name natural sources of light
- Name artificial sources of light
- Sort sources of light into two groups

KEY WORDS

Light	What helps us to see.
Natural source of light	Light that comes from nature, such as the sun, the moon and the stars.
Artificial source of light	Light made by people, such as a candle, a torch, a lamp or a bulb.
Reflect	When light bounces back, like in a mirror.

1 What light does

Light helps us to see. Light travels in straight lines. It moves very fast, faster than sound. Light can be reflected, like in a mirror. It can be blocked, like when you close a door.

Light also helps plants grow. It gives warmth to living things. Feel the warmth of the sunlight on your hands.

2 Natural sources of light

Some light comes from nature. The sun, the moon and the stars are natural sources of light. Feel the sun on your skin. At night, look up and talk about the moon and the stars.

Ask yourself: Does this light come from nature. If yes, it is a natural source.

3 Artificial sources of light

Some light is made by people. A lamp, a candle, a torch and a bulb are artificial sources of light. Touch the switch of a lamp. Feel a torch and a bulb. Only your teacher may use a candle and a matchbox, and learners must stay at a safe distance.

Ask yourself: Is this light made by people or machines. If yes, it is an artificial source.

Natural sources	Artificial sources
Sun	Candle
Moon	Torch
Stars	Lamp
	Bulb

Figure 1. Sources of light

TRY THIS

At home, find one natural source of light outside and one artificial source of light that you use. Tell your family which is which and why.

REMEMBER

- Light helps us to see
- Light travels in straight lines and moves faster than sound
- Natural sources of light come from nature: sun, moon and stars
- Artificial sources of light are made by people: candle, torch, lamp and bulb

? Check yourself

1. What is a natural source of light.
2. Name one natural source of light.
3. What is an artificial source of light.
4. Name one artificial source of light.

5. Bupe wakes up at night and feels the warmth of a lamp on her table. Outside the window she sees the moon and the stars. Her mother asks what she sees. (a) Which one is an artificial source of light. (b) Name one natural source. (c) Why is the lamp artificial.
6. The class sorts cards into two groups. The cards show the sun, a torch, a candle and the stars. The teacher asks them to explain their groups. (a) Which cards go in the natural group. (b) Which cards go in the artificial group. (c) Which question helps you decide.

ANSWERS

1. Light that comes from nature.
2. The sun, the moon or the stars.
3. Light that is made by people.
4. A candle, a torch, a lamp or a bulb.
5. (a) The lamp. (b) The moon or the stars. (c) It is made by people.
6. (a) The sun and the stars. (b) The torch and the candle. (c) Does this light come from nature.

Written by 25Schools to follow the Grade 2 Science syllabus of the Zambian competence-based curriculum. Free for learners to read, download and share. More notes and quizzes at 25schools.com.