25SCHOOLS
FREE LEARNING NOTES FOR ZAMBIA

GRADE 2 · TERM 3

Science

Conserving Energy

Lesson notes for learners · Competence-Based Curriculum

INSIDE

1. Turning things off
2. Other ways to save energy
3. Check yourself

Energy helps things work. A light, a fan and a radio all need energy. We must not waste energy. In this note you will learn simple ways to save it at home and at school.

AFTER THESE NOTES YOU SHOULD BE ABLE TO

- Say why we should not waste energy
- Turn off lights, fans and radios when not in use
- Match energy-saving actions to objects
- Explain how to save energy in simple words

KEY WORDS

Energy	What helps things work.
Conserve	To save and not waste.
Switch	The part we press to turn a light or appliance on or off.

1 Turning things off

Energy is important because it helps things work, but we must not waste it. A fan can be running. A radio can be playing. A light can be on.

When we turn off a fan, the air stops moving. When we turn off a radio, the sound stops. When we turn off a light, the light disappears. Energy is no longer being used.

Appliance	When turned off
Light	The light disappears
Fan	The air stops moving
Radio	The sound stops

Figure 1. What happens when we turn things off

2 Other ways to save energy

Turning off lights saves energy. Closing doors keeps heat inside the room. Using sunlight instead of electric light during the day saves energy.

Each action goes with an object: the light switch, the door and the window.

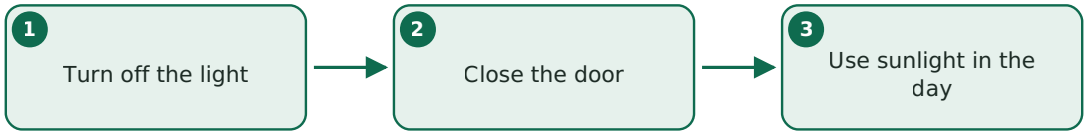


Figure 2. Saving energy at home

TRY THIS

Walk through your home with an adult. Feel the switches. Turn off any light or radio that nobody is using.

REMEMBER

- Energy helps things work but we must not waste it
- Turn off lights, fans and radios when not in use
- Close doors to keep heat inside
- Use sunlight in the day instead of electric light

? Check yourself

1. What should we do with a light that nobody is using.
2. What happens when a radio is turned off.
3. Why do we close doors to keep heat inside.
4. What can we use in the day instead of electric light.
5. Mulenga goes to the classroom after break and finds a fan running while nobody is inside. He knows we should not waste energy. (a) What should he do. (b) What will happen to the air. (c) Why is this good.
6. Chanda's mother leaves the house in the morning and the radio is still playing in an empty room while sunlight comes through the window. (a) What should Chanda do with the radio. (b) What can she use instead of a light. (c) Why.

ANSWERS

1. Turn it off.
2. The sound stops.
3. It saves energy.
4. Sunlight.
5. (a) Turn it off. (b) It stops moving. (c) It saves energy.
6. (a) Turn it off. (b) Sunlight. (c) To save energy.

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.