

# Energy efficiency activity sheet

## Spot the differences

Look at how these two lamps differ, then answer the questions about the two ladies in the pictures below.



**Compact fluorescent lamps (CFLs) are energy savers. They use little electricity and last very long.**



**Old-style light bulbs are not energy savers. They use a lot of electricity and do not last very long.**



**Picture A**



**Picture B**

**Question 1: How much is the electricity account in picture A?**

Answer 1: \_\_\_\_\_

**Question 2: How much is the electricity account in picture B?**

Answer 2: \_\_\_\_\_

**Question 3: Why do you think the electricity account is lower in picture A?**

Answer 3:  
\_\_\_\_\_  
\_\_\_\_\_

**Question 4: Do you think the lady in picture B is doing the right thing by leaving the lights on until 8:00 in the morning?**

Answer 4:  
\_\_\_\_\_  
\_\_\_\_\_

**Question 5: Look at the ladies' faces in both pictures. Why is the lady in picture A smiling while the lady in picture B is not smiling?**

Answer 5:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Question 6: Why is the waste basket in picture A empty while the waste basket is full of old lamps in picture B?**

Answer 6:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Supporting letter to educators and parents

### Energy efficiency activity sheet: Spot the differences

Dear teacher / parent

It is a privilege to supply you with an energy efficiency activity sheet, a playful and interactive tool for use by teachers in the classroom and by parents spending time with their children after school or on weekends.

Thank you for using information about the wise use of electricity to nurture and develop young minds.

Answers to questions 1 to 6

Answer 1: R254

Answer 2: R723

Answer 3: The lady in picture A uses an energy saving lamp. She also keeps her electricity bill low by making use of natural light – her curtains are open and the sun is shining into the room. The light is switched off because it is already 8:00 in the morning – it is daytime.

Answer 4: The lady in Picture B is not saving energy, so her electricity bill is higher. The light should be switched off because it is already 8:00 in the morning – it is daytime.

Answer 5: The lady in picture A is smiling because her electricity account is so low - she uses an energy saving lamp and she switches it off when she does not need it during the day.

Answer 6: Old-style light bulbs do not last very long and have to be replaced often. Energy saving compact fluorescent lamps (CFLs) last very long and do not have to be replaced often.

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Kindly rate this activity sheet after having used it. Your input and comments will help us to improve our energy efficiency education material for South Africa's children.

**Was it easy to use the activity sheet?**

Circle your rating:

1 = not suitable / 2 = adequate / 3 = appropriate / 4 = good, / 5 = excellent.

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Did children find the activity engaging?**

Circle your rating:

1 = not suitable / 2 = adequate / 3 = appropriate / 4 = good / 5 = excellent.

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Do you think children will apply their new knowledge at home?**

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Would you like to receive more FREE energy efficiency resource material in future?**

|   |   |
|---|---|
| Y | N |
|---|---|

**Contact details**

Name (teacher / parent): .....

E-mail address (teacher / parent): .....

Contact number (teacher / parent): .....

School name and street address (teacher): .....

School postal address (teacher): .....

Which grade do you teach (teacher)? .....

Home street address (parent): .....

Home postal address (parent): .....

Please e-mail your comments and answers to [info@eskomschoolyard.co.za](mailto:info@eskomschoolyard.co.za) or fax them to 086 459 4697

More CAPS-aligned educator guides and learner activity sheets on energy efficiency for other grades can be downloaded for free at [www.eskom.co.za/idm](http://www.eskom.co.za/idm). Click on the School Yard button.

Moreover, if you have or teach five to seven year olds, Ruby and the Powerpals can be downloaded for free at [www.rubybook.co.za](http://www.rubybook.co.za) or [www.eskom.co.za/idm](http://www.eskom.co.za/idm). This colourful children’s book features a collection of four stories (together with sing-along-songs on CD) that introduces children to Ruby, a little girl who learns how to save electricity by interacting with four special friends in her home - Laaitie the Lightswitch, Hottie the Hot Tap, Freddie the Fridge, and TiniRemote, the television remote.

Sincerely

Eskom Energy Efficiency Education Programme