

# SPOTLIGHT

ISSUE #2

THE MYSTERY OF THE MISSING SUIT

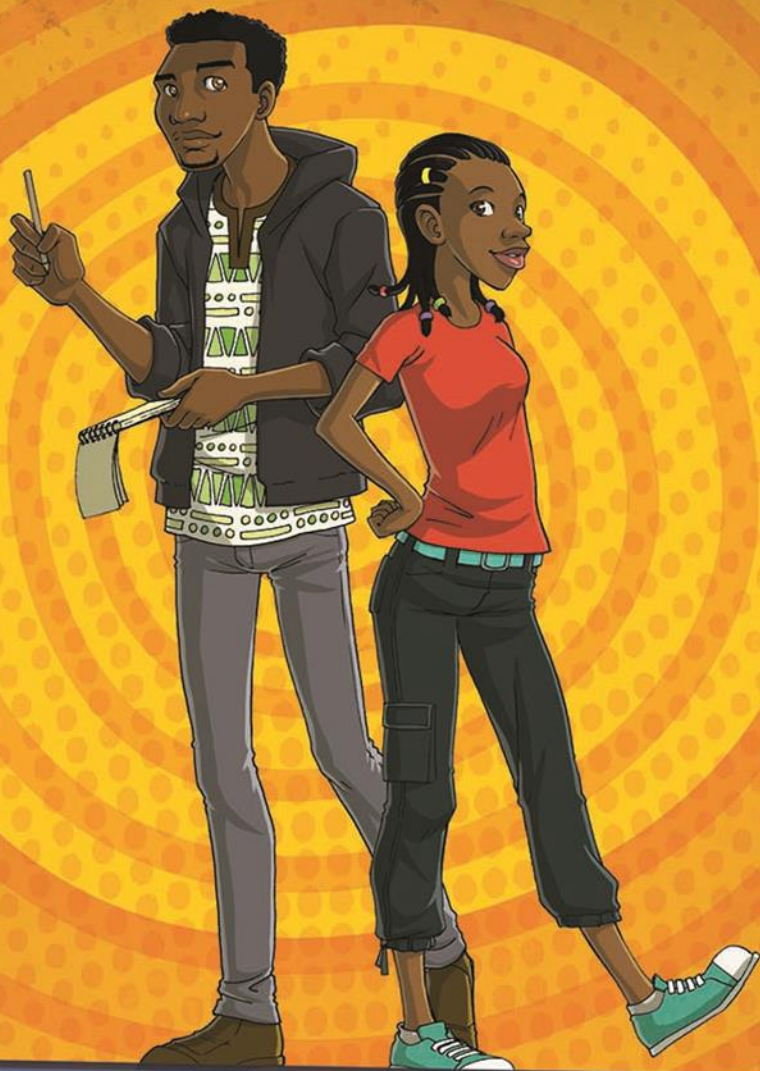


LIGHTING AFRICA  
Creating markets for renewable power



AN INNOVATION OF  
**WORLD BANK GROUP**  
THE WORLD BANK IFC  
International  
Financial Corporation





## MEET THE TEAM



### ACE

Ace is a reporter with a strong sense of duty and integrity who likes to delve deeply into all sorts of stories, occasionally the kind that people try to keep hidden. His methods are quite old-school, which means he's sometimes left in the dark when it comes to technology that could help him. Luckily, Malaika is always there to help him shine a light on the truth.



### MALAIKA

This clued up young woman is Ace's young cousin. She stays with him during the week, while her mother works in the city. She uses portable solar power to charge her cell phone, which she uses to snap pictures, record conversations and quickly type up notes on the go. She always gets the evidence Ace needs.

Together they uncover intriguing stories and solve many mysteries from superstitious curses to local theft syndicates. All the while they spread the knowledge and joy that comes with the ease of using solar power when you're off the grid.



ACE AND MALAIKA ARE HOT ON THE TRAIL OF THEIR LATEST STORY...

I CAN'T BELIEVE THIS!

...OR MAYBE ACE IS JUST HOT UNDER THE COLLAR.

I'M AN INVESTIGATIVE REPORTER. NOT SOME CELEB GOSSIP COLUMNIST!

WHAT ARE YOU COMPLAINING ABOUT? YOU'RE COVERING THE PERFORMANCE OF AN UP-AND-COMING ENTERTAINER, WHO IS SINGING AT THE CELEBRATION FESTIVITIES OF A NEW CHIEF. IT'S AN HONOUR!

IT'S A WASTE OF MY TALENT, IS WHAT IT IS.

BESIDES, YOU JUST WANT TO MEET JACKSON.

JACKSON? YOU MEAN THE CHART-TOPPING, 23-YEAR-OLD POP SENSATION THAT'S BEEN MESMERISING THE WORLD WITH HIS AFRICAN SYNTH BEATS AND COOL STYLE?

WHATEVER. I DON'T... EVEN KNOW HIS STUFF... THAT WELL.

WELL, DO YOU KNOW HOW I CAN CHARGE MY PHONE?

I NEED TO CALL MY EDITOR AND THIS BUS RIDE IS TAKING FOREVER.

YOU CAN USE MY PORTABLE SOLAR LAMP. UNFORTUNATELY, I CAN'T GET A PERFECT CHARGE THROUGH THE WINDOW, BUT IT'S BEEN GETTING SOME SUNLIGHT. BETTER THAN HAVING NO POWER AT ALL! IT SHOULD HAVE ABOUT 3 HOURS OF BATTERY LIFE NOW.

LET'S HOPE IT DOESN'T TAKE THAT LONG TO GET THERE STILL.



#### SOLAR TIP

IF YOU LEAVE YOUR PORTABLE SOLAR PRODUCT IN INDIRECT SUNLIGHT, IT WILL PARTIALLY CHARGE AND WILL BE USEABLE BUT FOR LESS TIME.



THEY FINALLY REACH THE CHIEF'S HOUSE.

...AT LEAST WE'LL BE STAYING ON THE CHIEF'S PROPERTY.

NOT BAD!



HELLO?

HI. I'M ACE, FROM STAR TIMES, HERE TO COVER THE FESTIVITIES.

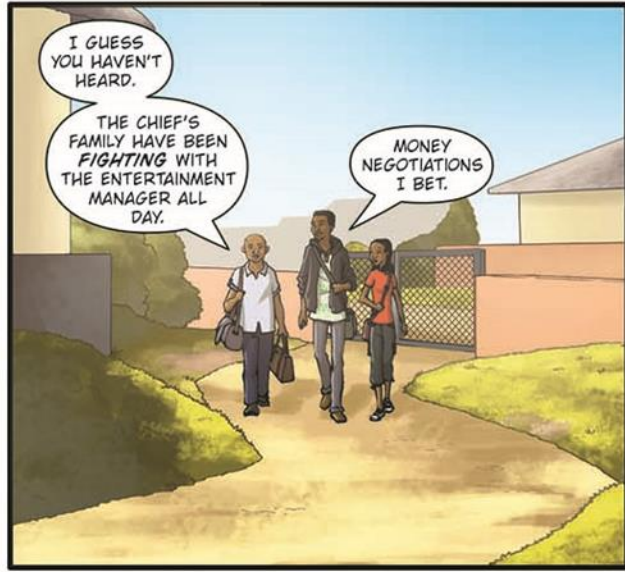
SPEAKING OF WHICH, I THOUGHT THE CELEBRATIONS WOULD HAVE STARTED BY NOW.



I GUESS YOU HAVEN'T HEARD.

THE CHIEF'S FAMILY HAVE BEEN FIGHTING WITH THE ENTERTAINMENT MANAGER ALL DAY.

MONEY NEGOTIATIONS I BET.



OH NO, SIR. *MUCH* MORE SERIOUS!

THE SINGER'S LUCKY SUIT HAS BEEN STOLEN! IT WAS TAKEN FROM THE HOME OF THE CHIEF. HIS MANAGER SAYS HE WON'T EVEN LEAVE HIS ROOM UNTIL IT IS FOUND. ON TOP OF THAT, WE'VE LOST POWER, SO THE SOUND SYSTEM DOESN'T WORK.



YOU ARE THE ENTERTAINER'S MANAGER!

MAKE HIM PERFORM FOR MY HUSBAND'S CELEBRATIONS!

WITHOUT HIS SUIT? *RIDICULOUS!* YOU MUST FIND IT. IT WENT MISSING IN YOUR HOME AFTER ALL.

WHAT DOES THAT MEAN? ARE YOU ACCUSING MY BROTHER, THE NEW CHIEF, OF SOMETHING?

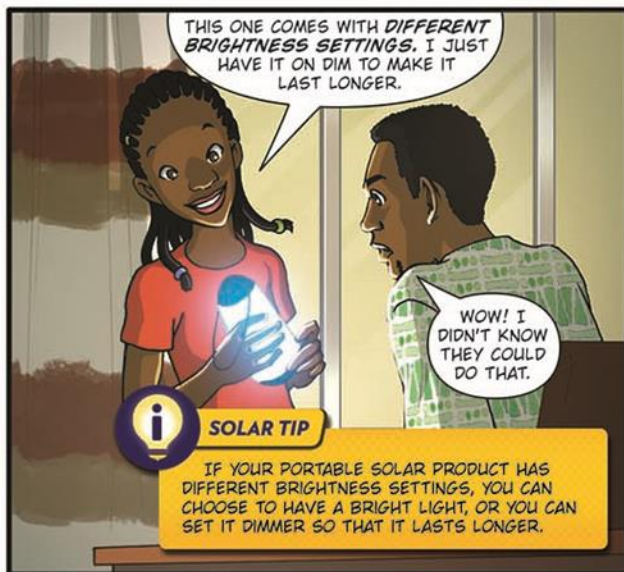
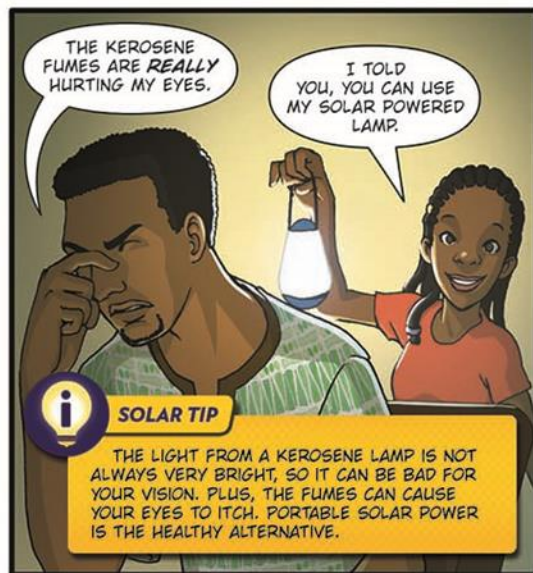
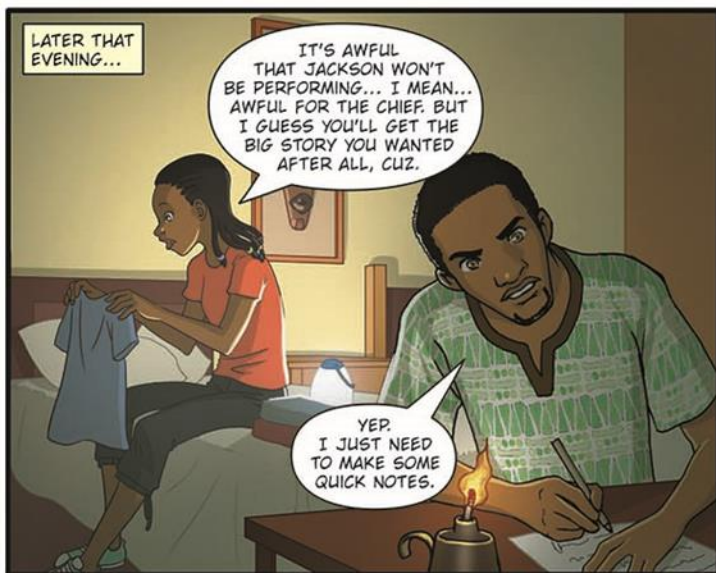


YOUR ROOM IS THIS WAY. BUT I DOUBT THERE WILL BE ANY CELEBRATIONS TO REPORT ON TONIGHT.

THAT'S FINE. I THINK I HAVE *SOMETHING ELSE* TO REPORT ON NOW.













THE NEXT DAY...

IT'S SO QUIET THIS MORNING. WHERE IS EVERYONE?

KEEPING OUT OF THE YARD, THAT'S FOR SURE.

YOU DON'T BELIEVE IN THIS OMEN BUSINESS, DO YOU?

NO, BUT WE NEED PROOF.

THAT'S WHAT I WAS HOPING YOU'D SAY.

AND YOU ARE?

POP SENSATION, JACKSON! THREE-TIME WINNER OF THE COVETED BLAZING AFRICA MUSIC AWARD!

JUST JACKSON WILL DO.

SOON...

YOU WANT US TO SOLVE THIS SO YOU CAN SING? BUT I THOUGHT YOU DIDN'T WANT TO SING?

MY MANAGER THINKS IT'S BAD FOR MY IMAGE TO PERFORM WITHOUT MY SIGNATURE SUIT. BUT I DON'T CARE.

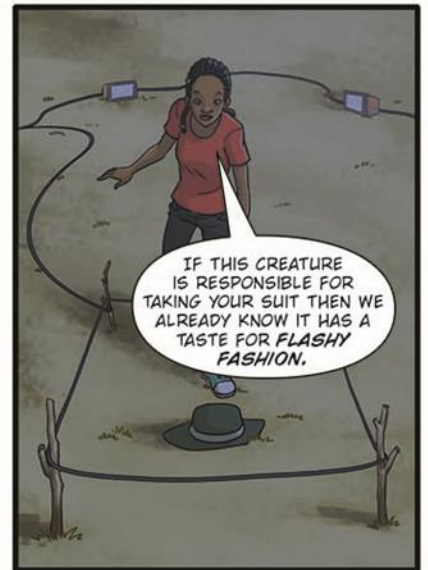
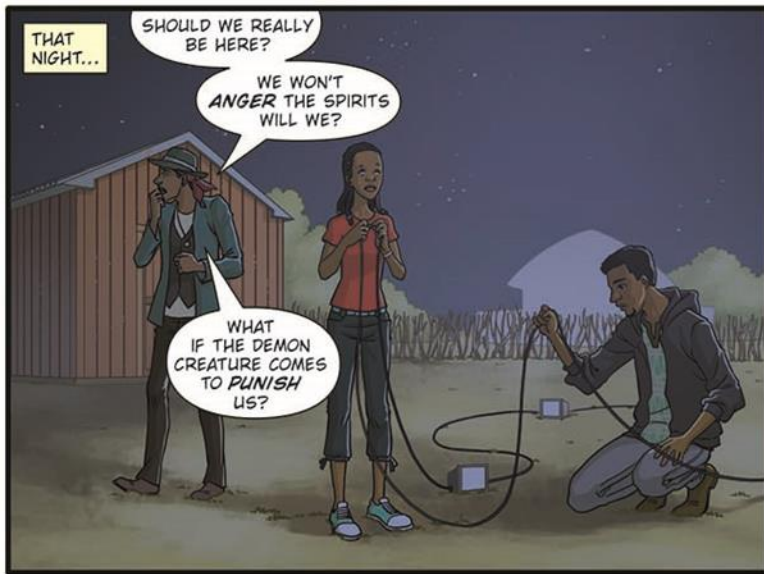
OF COURSE YOU DON'T. YOU'RE THE PEOPLE'S POET!

SO WHY DON'T YOU JUST SING?

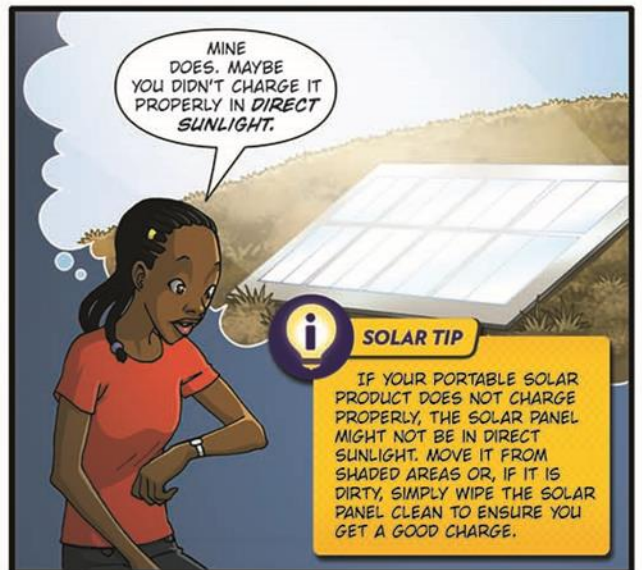
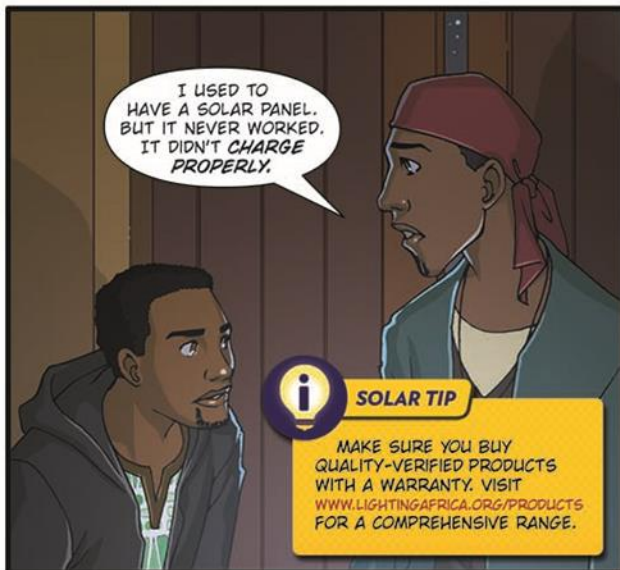
YOU HEARD THE PROPHET. I DON'T WANT TO UPSET THE SPIRITS, OR THE CHIEF'S FAMILY.

I THINK I HAVE AN IDEA.











THE NEXT MORNING...

THE REPORTER HAS TRAPPED THE DEMON MONSTER?

WE ARE DOOMED!

HE ASKED US TO MEET HIM IN THE YARD.

CHIEF, ONCE I REVEAL THE CULPRIT BEHIND THESE STRANGE ACTIVITIES, I AM SURE YOU WILL WANT TO START CELEBRATING.

AND JACKSON HAS AGREED TO PERFORM... EVEN WITHOUT HIS SUIT.

PRESENTING YOUR GHOST, OR RATHER...

...YOUR GOAT.

AND SO THE CELEBRATIONS BEGIN...

YOU MUST BE VERY PROUD OF YOURSELF FOR SOLVING THE MYSTERY OF THE MISSING SUIT, YOUNG REPORTER.

THAT I AM, CHIEF. BUT ONE MYSTERY I WILL NEVER GET...

...IS THE MYSTERY OF WHY GIRLS LIKE POP STARS SO MUCH.

HA HA HA!



# DID YOU KNOW?

How can solar powered products provide electricity at night, when there isn't any sunshine? The secret is the batteries. Batteries can store the electricity made during the day so you can use it whenever you want. Here are some other solar facts that are interesting to know:

1.

It takes less than 9 minutes for sunlight to travel the 150 million kilometres between the sun and the earth.

2.

In one hour, the sun provides Earth with more energy than the entire world uses in a year. In 20 days the sun could provide as much power as all of the world's fossil fuels combined.

3.

Food can be cooked or dried and water can be disinfected using solar energy. In fact, when you hang your washing in the sun, you are using solar energy to dry your clothes.

4.

Using solar powered products causes no pollution or harmful environmental effects.

5.

Solar electricity is used all around the world in many different ways. There are small cells that charge things like phones and lights, and big solar power stations connected to the electric grid - the biggest one in California supplies 160,000 homes with electricity!

6.

Plants are the oldest solar energy users in the world. They turn sunlight into chemical energy, which they use to grow.

HERE'S ANOTHER **AMAZING** FACT: REMOVING SALT FROM SEA WATER IS ONE OF THE **OLDEST** COMMERCIAL USES OF SOLAR ENERGY.

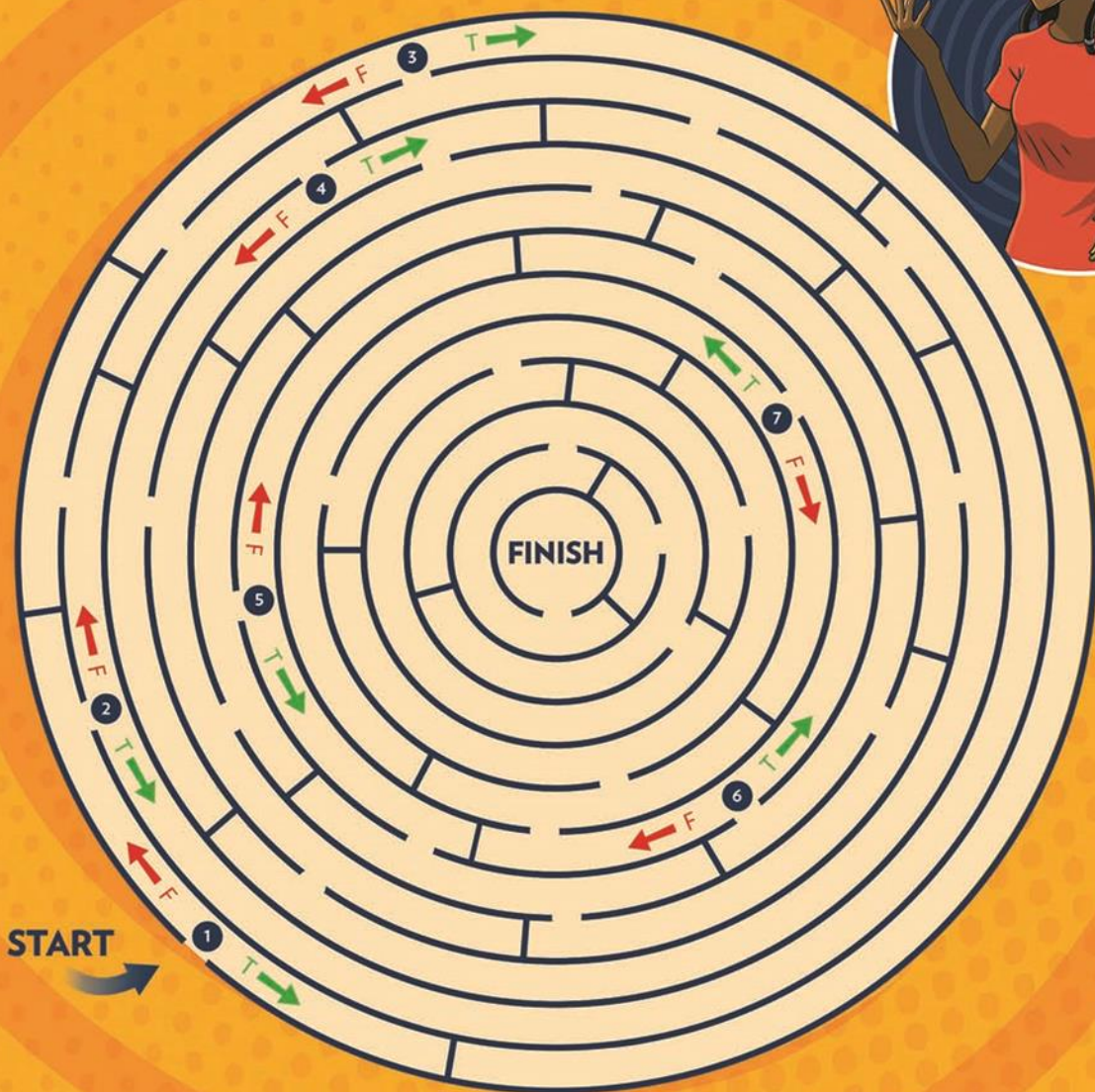


Source: <http://www.conserve-energy-future.com/various-solar-energy-facts.php>



# TRUE OR FALSE MAZE

ANSWER  
THE QUESTIONS  
ABOUT SOLAR POWER  
CORRECTLY TO HELP  
SOLVE THE MAZE.



## TRUE OR FALSE

1. You cannot use any portable solar products to charge cellphones.
2. Portable solar products need to be left in sunlight to charge properly.
3. You can use candle light to charge a portable solar product.
4. If you charge your portable solar product in direct sunlight for a whole day it will only give you 5 minutes of light.
5. Portable solar lighting provides brighter light than kerosene lamps.
6. Kerosene fumes can hurt your eyes.
7. Some portable solar lights have brightness settings.



# BEND LIGHT TO LIGHT UP A ROOM

HERE'S HOW YOU CAN USE **REFRACTION** THROUGH A WATER BOTTLE TO LIGHT UP A WHOLE ROOM.



## YOU WILL NEED:



SOLAR TORCH



CLEAR TAPE



2 LITRE CLEAR BOTTLE FILLED WITH WATER



DARK ROOM



## INSTRUCTIONS

1. Make sure the solar torch is fully charged.
2. Tape the solar torch to the side of the 2 litre plastic bottle, ensuring the light faces inward. The torch should be about halfway down the side of the bottle.
3. Place the bottle in a dark room, switch on the torch, and light up your life.

## WHAT HAPPENS?

Because the water is more dense than air it causes the light to slow down when it passes through the water. When this happens, the light bends and is spread out in different directions. The process where the path of light changes when passing through a different medium is called refraction.



# BUILD A WATER PURIFIER USING SOLAR ENERGY

WATER CAN BE **DISINFECTED** AND MADE **DRINKABLE** USING THE RAYS OF THE SUN.

BY DISINFECTING THE WATER ONE CAN PREVENT THINGS LIKE **DIARRHOEA** WHICH IS ONE OF THE MOST COMMON CAUSES OF DEATH AMONG PEOPLE LIVING IN DEVELOPING COUNTRIES.

ALL IT REQUIRES IS A SUNNY DAY AND CLEAR PLASTIC BOTTLES.



**INSTRUCTIONS:**  
Wash the bottle well the first time you use it.

Fill the bottle with water and close the lid well.

Leave the bottles in direct sunlight all day. They should be left out for a minimum of 6 hours.

The water is now ready for consumption.

## IMPORTANT POINTS TO CONSIDER

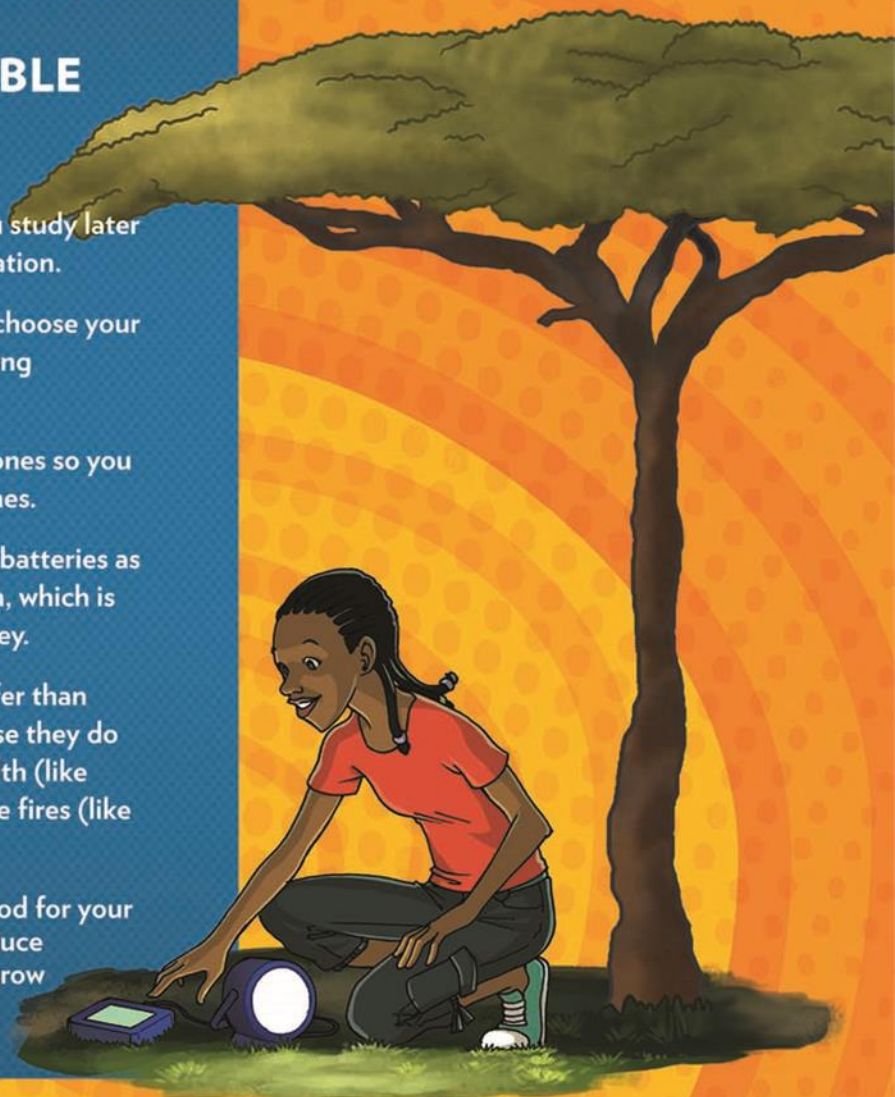
- The plastic bottles must be transparent and colourless. Heavily scratched bottles must be replaced.
- The bottles must not hold more than 3 litres.
- If the water is very murky, the effectiveness of the method is reduced. To test the water, the filled bottle can be placed on top of a newspaper headline. If the letters of the headline are readable when looking through the water, then the water can be used. If the letters are not readable, the water must be filtered.
- If less than half of the sky is clouded over, 6 hours will be enough to completely disinfect the water.
- If more than half of the sky is covered with clouds, the bottle must be placed in the sun for 2 consecutive days.
- The method does not work satisfactorily during lengthy periods of rain. On these days, collecting rainwater is a good alternative.





## MORE REASONS WHY YOU SHOULD CHOOSE PORTABLE SOLAR POWER

- Portable solar products let you study later at night for an improved education.
- It also gives you the power to choose your own working hours, for a thriving business.
- Many can even charge cell phones so you can stay in touch with loved ones.
- There's no need to buy fuel or batteries as the battery charges off the sun, which is free, saving you time and money.
- Portable solar products are safer than other lighting solutions because they do not negatively affect your health (like kerosene) and they won't cause fires (like candles).
- Portable solar products are good for your community as they help to reduce pollution (you don't have to throw out old batteries anymore).



## TIPS FOR USING YOUR PORTABLE SOLAR PRODUCT

- To make the most out of your portable solar product, you need to leave the solar panel in direct sunlight, storing the battery and light safely.
- Move your solar panel out of shady areas to ensure it gets the maximum charge.
- If the solar panel is dirty, wipe it clean with a soft cloth, to ensure it absorbs more energy.

Portable solar products should be reliable, affordable, and warranted. For a list of quality-verified solar products visit the Lighting Africa website: [www.lightingafrica.org/products](http://www.lightingafrica.org/products)



# FIND OUT MORE!

IF YOU WANT TO JOIN THE **35 MILLION PEOPLE** ACROSS AFRICA THAT ALREADY USE CLEAN, AFFORDABLE, SOLAR-POWERED LIGHTING AND ENERGY, FIND OUT MORE AT [WWW.LIGHTINGAFRICA.ORG/PRODUCTS](http://WWW.LIGHTINGAFRICA.ORG/PRODUCTS).

YOU CAN FIND INFORMATION ON PRODUCTS THAT HAVE BEEN **QUALITY-VERIFIED** AND ARE **WARRANTED**.

