



Million 

High School
(Gr 8 - 12)



TOP 10 GLOBAL LITTER ITEMS

1



Cigarette
BUTTS



2



FOOD WRAPPERS
(sweets and crisp packets)

3

**PLASTIC
DRINK
BOTTLES**



4



plastic bottle
CAPS

5



STRAWS

6

**PLASTIC grocery
BAGS**



7



**GLASS DRINK
BOTTLES**
(soda, beer and wine)

8



**OTHER PLASTIC
BAGS AND PACKETS**

9

**PAPER
BAGS**



10



**SODA
CANS**

**CHECK
YOUR GUILT
FACTOR!**



HOW TO RECYCLE

- 1 Make sure the product can be recycled.
- 2 Rinse your recyclable packaging in used water (fresh water is wasteful).
- 3 Allow it to drip dry.
- 4 Place the clean recyclable packaging in a carrier bag, separate from your normal waste.
- 5 Make sure to separate your different materials into different bags.

You can squash your plastic and cans to make them a lot smaller so you can fit far more in your bag!

RECYCLING

RECYCLING means taking something old and turning it into something new, through a mechanical process.

RECYCLE because it can save the planet from running out of energy and resources.

WHY SHOULD WE COLLECT & RECYCLE?

- IT REDUCES LITTER
- IT SAVES ENERGY
- IT LOOKS AFTER NATURE
- IT LEAVES THE PLANET A BETTER PLACE
- IT REDUCES POLLUTION IN THE AIR
- USED PACKAGING HAS VALUE



RECYCLE YOUR LITTER

• PLASTIC •



• GLASS •



• PAPER •



• CANS •





WHAT CAN WE RECYCLE?



PLASTIC

In South Africa we can recycle a lot of different types of plastic, but not all of them. When we recycle plastic mechanically, it can be made into new things.



PLASTIC THAT WE CAN RECYCLE:

- Foam / polystyrene packaging
- Plastic bottles
- Plastic trays / tubs (not ♻️)
- Plastic bags
- Plastic buckets



PLASTIC THAT WE CANNOT RECYCLE:



- Chip packets
- Sweet wrappers
- Washing powder bags
- Sauce sachets
- Dirty clamshell packaging



Tips for collecting PLASTIC



THERE ARE MANY DIFFERENT TYPES OF PLASTIC.

Each one is represented by a special code inside a small triangle. You will find the numbers 1, 2, 3, 4, 5, 6 or 7.



ALL MATERIALS MUST BE SEPARATED INTO DIFFERENT BAGS.



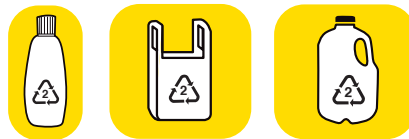
PET

Soft drink, juice and water bottles.



HDPE

Common white or coloured plastic, like milk bottles and shampoo/detergent containers.



PVC

Hard, rigid, clear plastic, like water bottles and cordial bottles.



LDPE

Soft, flexible plastic bottles, like squeezable sauce bottles and plastic film products such as bread bags.



PP

Hard but flexible plastic, like ice cream and lunch boxes.



PS

Rigid, brittle plastic, like margarine tubs, yoghurt tubs & foam/polystyrene containers.



OTHER

Multi-layered packaging such as sauce sachets, soup packets and crisp packets.



PAPER

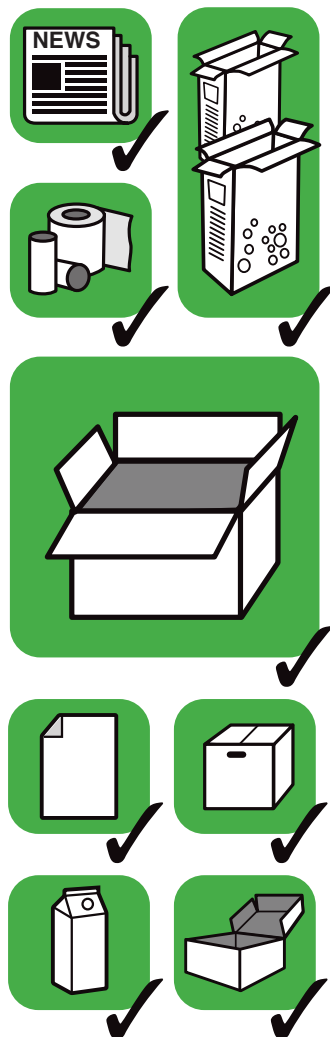
PAPER THAT WE CAN RECYCLE:



- Cardboard of any kind (dry food, cosmetic & medicine boxes, toilet roll cores)



- Office paper
- Magazines and brochures (including glossy kinds)
- Newspapers
- Envelopes
- Liquid packaging (milk and juice)



PAPER THAT WE CANNOT RECYCLE:



- Dirty paper plates
- Wet or dirty paper or cardboard
- Disposable nappies
- Tissues, toilet paper and paper towels
- Dog food bags
- Wax-coated or foil-lined boxes
- Used cement bags
- Carbon paper

LET'S JOIN
THE PLASTIC
RECYCLING
REVOLUTION!



GLASS



GLASS THAT WE CAN RECYCLE:

- Cool drink, juice and water bottles
- Food and sauce bottles and jars
- Wine and alcohol bottles
- Clear drinking glasses
- Beer bottles



GLASS THAT WE CANNOT RECYCLE:



- Clay flower pots
- Window pane glass
- Ceramic cups and plates
- Heat-resistant ovenware
- Crystal
- Light bulbs
- Mirrors and windscreen glass
- Crystal drinking glasses & tumblers

CANS

STEEL AND ALUMINIUM CANS MUST BE SEPARATED.

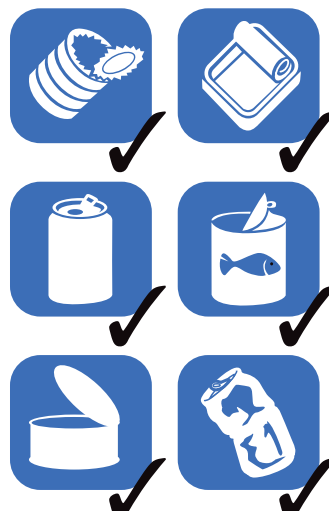


PLEASE USE YOUR MAGNET TO CHECK WHICH CANS ARE ALUMINIUM AND WHICH ARE STEEL. Remember, the magnet will stick to the steel cans. Once you know which is which you must separate them.

CANS THAT WE CAN RECYCLE:

Aluminium and steel cans:

- Beverage cans
- Food cans

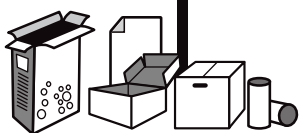


THE TRUTH OF RECYCLING & IMPACT FACTS



THE
ENERGY
SAVED BY RECYCLING
ONE SINGLE PLASTIC
BOTTLE IS ENOUGH TO
POWER A 60-WATT
LIGHTBULB
FOR 6
HOURS.

EVERY BIT OF
PLASTIC
THAT HAS EVER
BEEN PRODUCED STILL
EXISTS TODAY!



RECYCLING
1 tonne of
paper saves
3 CUBIC
METERS
of landfill space



92%

OF DEAD SEABIRDS
FOUND SHOW
THAT 5% OF THEIR
BODY WEIGHT IS
INGESTED PLASTIC.

PLASTIC
IS THE LARGEST
SOURCE OF
OCEAN LITTER.
ENOUGH PLASTIC
IS THROWN AWAY EACH
YEAR TO CIRCLE
THE EARTH
4 TIMES.



2017 **300** MILLION
TONNES
OF PLASTIC WILL BE PRODUCED
WORLDWIDE!



RECYCLING PLASTIC

IS ONE OF THE EASIEST WAYS
TO FIGHT CLIMATE CHANGE.



70%
ENERGY
IS SAVED IN
MANUFACTURE
IF IT IS RECYCLED!

PLASTIC IS
RESPONSIBLE FOR
APPROXIMATELY

10%
OF THE WORLD'S
WASTE!



RECYCLING
one aluminium
CAN saves enough
ELECTRICITY
TO OPERATE
A TV FOR UP TO **3** HOURS



PLASTIC RECYCLING

BEGAN IN
1977

GLOBALY...
10 MILLION
PLASTIC
SHOPPING BAGS
ARE USED!

• **GLASS** •
GLASS TAKES OVER
1 000 000 YEARS
(ONE MILLION) TO
DECOMPOSE
(BREAKDOWN AND DISAPPEAR)
IN OUR LANDFILLS OR DUMPS.

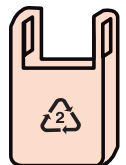


54%

of the 120 MARINE
MAMMAL SPECIES
on the threatened
list has been
observed
entangled in
plastic waste.



SHOP WITH
YOUR OWN
BAGS!

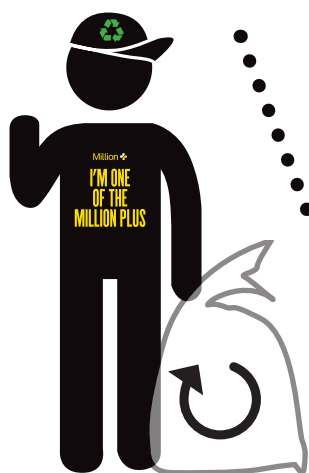


1% ONLY ONE PERCENT
OF PLASTIC SHOPPING
BAGS ARE RECYCLED!



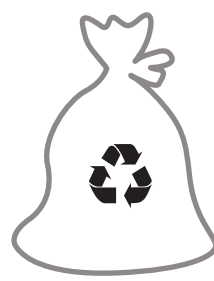
JOIN THE PLASTIC RECYCLING REVOLUTION

With so many problems facing the world right now — from climate change to poverty — recycling is one of the differences **EACH ONE OF US** can make every day that has far-reaching benefits.



BE **ONE IN A MILLION**

The Plastic Recycling Revolution is trying to stop plastic damaging our planet and to grow plastic recycling in our country.



SIGN UP!
FOR MORE
DETAILS ...



www.millionplusrecyclers.co.za

WHAT IT MEANS TO **YOU**

This plastic recycling revolution is asking **ALL** South African **LEARNERS** to:

- keep **SOUTH AFRICA** clean and **LITTER FREE**
- start recycling **PLASTIC**



DON'T MESS ABOUT



***SLAM DUNK
THE
JUNK!***



IT'S SO SIMPLE!

If **ONE MILLION** South Africans picked up one piece of litter every day
in one week we would have picked up 7 million pieces of litter
in one year we would have picked up 365 million pieces of litter

MAKE THE DIFFERENCE. PICK UP ONE PIECE OF TRASH A DAY!



GREEN CAREERS

As concern for the **ENVIRONMENT** and the future of our planet has increased, opportunities in the environmental job market have also increased.

Want a good job that's also geared towards saving the planet?

The 'green sector' could be just the work environment that you're looking for!

As with any career field, jobs in the environmental portfolio are also varied. You could end up doing exciting scientific research, desk work, field work, or some combination thereof. Your focus could be mathematical, physical or written.

If you have an interest in a specific field, knowing what is available to you is critical when choosing a career.

Finding something you enjoy doing within the broad scope of the environment field shouldn't be very difficult when there are so many options.



DIFFERENT TYPES OF CAREERS IN ENVIRONMENTAL PROTECTION

- **OUTDOOR & FIELD-BASED JOBS** (eg. wildlife preservation)
- **TRADITIONAL JOBS WITH GREEN ALTERNATIVES** (eg. green car manufacturing)
- **RENEWABLE ENERGY JOBS** (eg. wind turbine technology)
- **REGULATION & POLICY-MAKING JOBS** (eg. environmental protection agency officers)



GREEN JOBS

WHO THEY ARE AND WHAT THEY DO!



Environmental engineers use the principles of engineering, soil science, biology, and chemistry to develop solutions to environmental problems. They are involved in efforts to improve recycling, waste disposal, public health and water and air pollution control.



An **ENERGY AUDITOR** inspects, surveys and analyses energy flows for energy conservation in a building, process or system, to reduce the amount of energy input into the system without negatively affecting the output.

A **HYDROLOGIST** is a specialised type of scientist who studies water and the water cycle. They use their expertise to solve problems in the areas of water quality or availability.



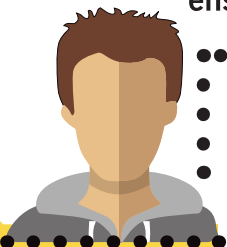
A **CONSERVATION SCIENTIST** is someone who manages the overall land quality of forests, parks, rangelands and other natural resources. They work with landowners and all levels of government to devise ways to use and improve the land while safeguarding the environment.

An **URBAN PLANNER** or **CITY PLANNER** is a professional who works in the field of urban planning for the purpose of optimising the effectiveness of a community's land.



The **MUNICIPALITY** offers many environment-related jobs. These may include Drivers, Logistics Managers, Communications Officers, Project Managers and more.

An **ENVIRONMENTAL CONSULTANT** works with organisations on a range of environmental issues, offering expert advice and assessment services to ensure that possible damaging effects are minimised or eliminated.



ENVIRONMENTAL PLANNERS are responsible for developing short and long-term plans for land use in urban and rural areas while balancing considerations such as social, economic and environmental issues.



LOL
ON THE LIGHTER
GREEN SIDE ...

What did the
tree hugging
hottie say to the
guy in the SUV?



*Turning off your
engine gets my
motor humming.*

Did you hear the one about the
aluminium recycling plant?
It smelt!



**I HAVE AN
OBSESSION WITH
WIND FARMS.**

REALLY?

**YES. I'M A
HUGE FAN.**

How bad was the
BP Gulf oil spill?
So bad they started
drilling for water!



**GLOBAL
WARMING
IS AN ANAGRAM OF:
BALL
GOING
WARM**

What's the
difference between
weather and climate?

You can't weather
a tree, but you can
climate.

**WHY ARE RECYCLE
BINS OPTIMISTIC?
BECAUSE THEY'RE
FULL OF 'CANS'.**



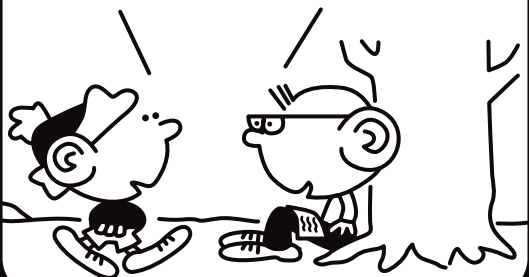
**HOW DO OIL
COMPANIES
DEAL WITH
TANKER SPILLS?**



**SLICK
LAWYERS.**

WHAT IS
RECYCLING?

GETTING ON YOUR
BIKE TWICE.

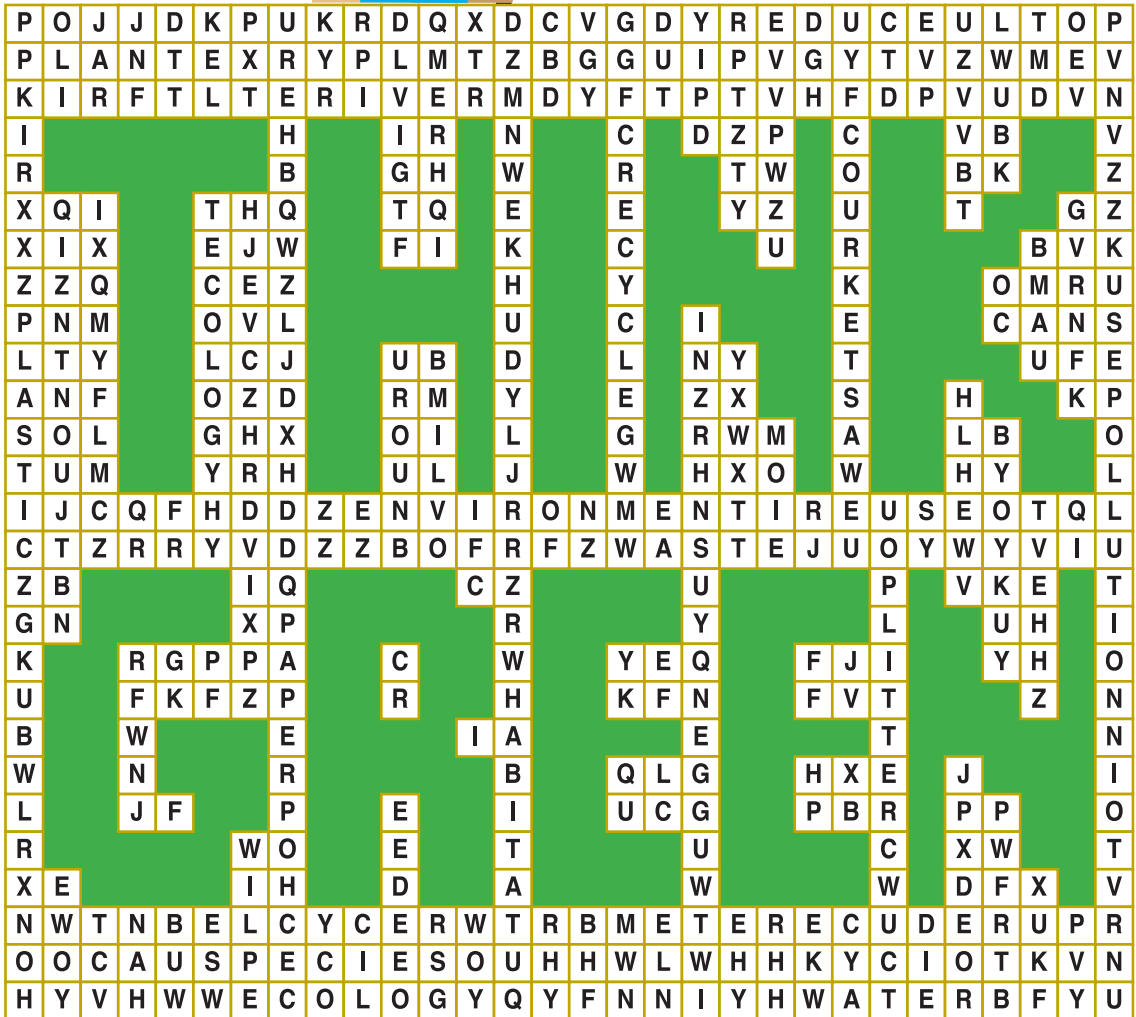


I AM
ONE OF THE
MILLION PLUS



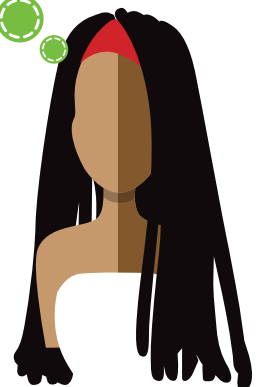
WORDSEARCH CHALLENGE

FIND THE WORDS IN THE BLOCK BELOW.



RIVER
PAPER
PLANT
WATER
REUSE
WASTE
REDUCE
PLASTIC

CANS
LITTER
SPECIES
HABITAT
RECYCLE
ECOLOGY
POLLUTION
ENVIRONMENT



Million 

**ACTION
IS
CONTAGIOUS**

**I AM
ONE OF THE
MILLION PLUS**

A Polyco  Initiative

www.millionplusrecyclers.co.za

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