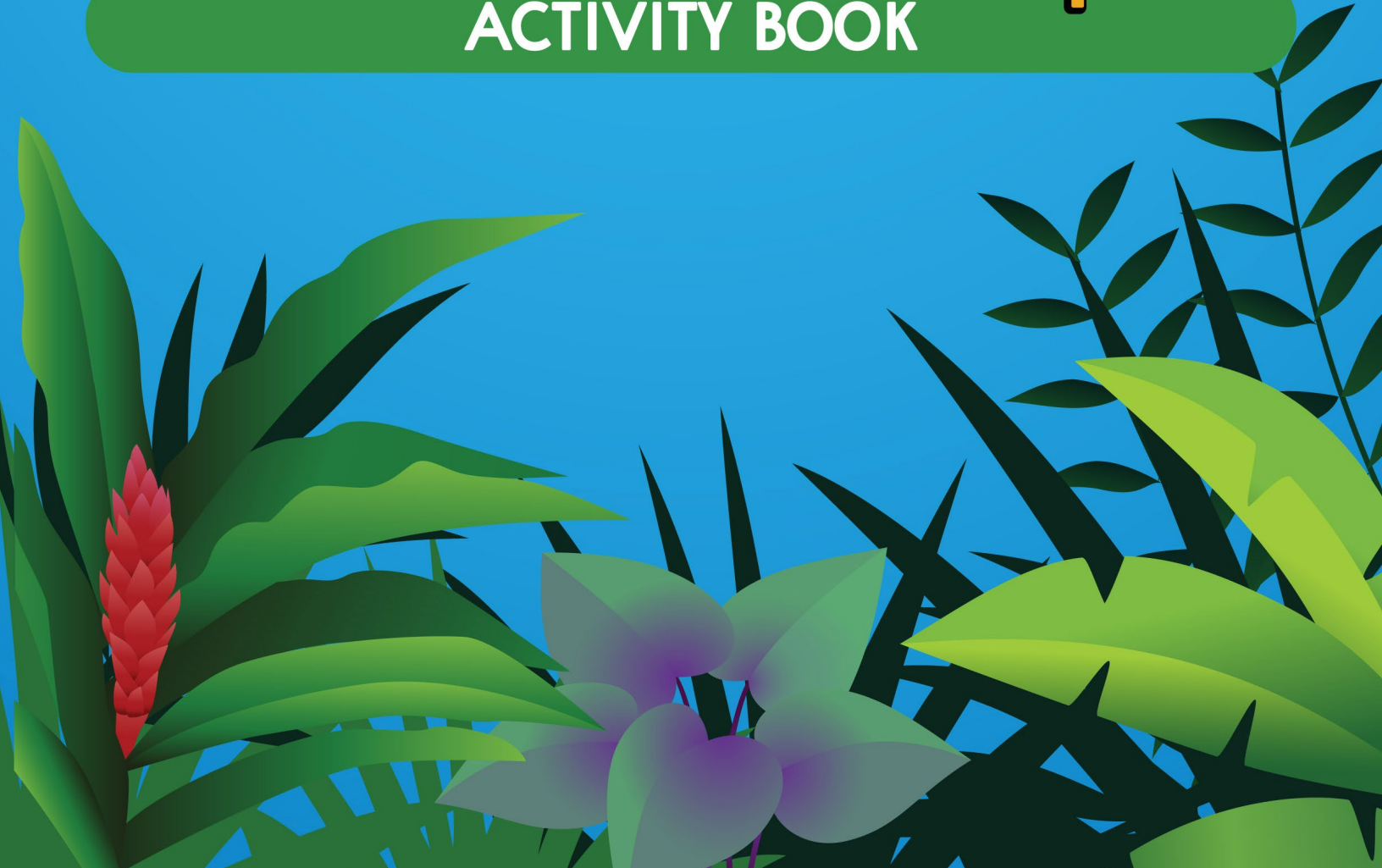




**St. Vincent
& The Grenadines
Environmental Champion**
ACTIVITY BOOK



St. Vincent & The Grenadines Environmental Champion ACTIVITY BOOK

Hello my fellow environmental champions,
We've created this activity book to provide a fun way of learning the key concepts of environmental stewardship. Our environment supports life on Earth so its preservation needs to be a matter of individual stewardship. That is why it is important, now more than ever, that environmental protection becomes a personal responsibility.

This book can be easily enjoyed by the entire family and will spark your curiosity with crosswords, scrambled words and word search puzzles to lead you to delve further into the subject of environment. Interspersed are 'fun facts', 'did you know?' and experiments to enhance general knowledge of the environment.

Enjoy learning with Gary the Parrot!

The views expressed in this information product are those of the author(s) and the GCF cannot be held responsible for any use which may be made of the information contained therein.

Thanks to





Welcome to the

**St. Vincent
& The Grenadines
Environmental Champion**
ACTIVITY BOOK

I am Gary the Parrot

...and I will be guiding you through this activity book, sharing environmental tips and playing some fun educational games.

Lets go Environmental Champions!





ENVIRONMENT



Find all the hidden words that are listed below.
Words can be down, across or diagonal. 🔍



Words to find:

- CLIMATE
- ENERGY
- FOREST
- AIR
- ICE CAPS
- PLANET
- LAND
- SEA
- ENVIRONMENT
- SPECIES
- WATER
- EARTH



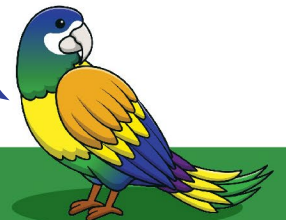
What is the Environment? The surroundings or conditions in which a person, animal, or plant lives or operates. Grab a friend and play the timed word-search game. Give yourself just 60 secs and see who has found the most words within that time! Make a note of who wins!



LET'S COLOUR!

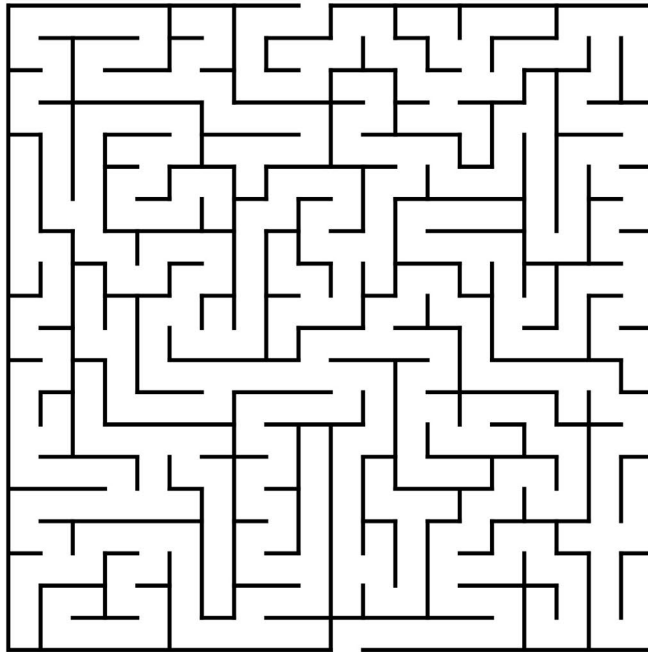
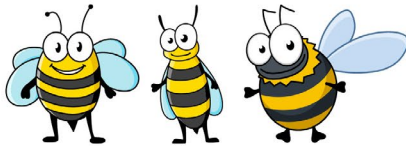


Did you know? The endemic St. Vincent Black Snake (*Chironius vincentii*) was first discovered in 1891. It is considered one of the rarest species of snakes in the entire Caribbean. This beautiful snake grows to over 5 ft in length and lives in the forest where it preys on small frogs and lizards.



MAZE CHALLENGE

Guide the bees through the maze so they can pollinate the flowers!



Did you know? As pollinators, bees play a part in every aspect of the ecosystem. They support the growth of trees, flowers, and other plants, which serve as food and shelter for creatures large and small. Bees contribute to complex, interconnected ecosystems that allow a diverse number of species to co-exist.

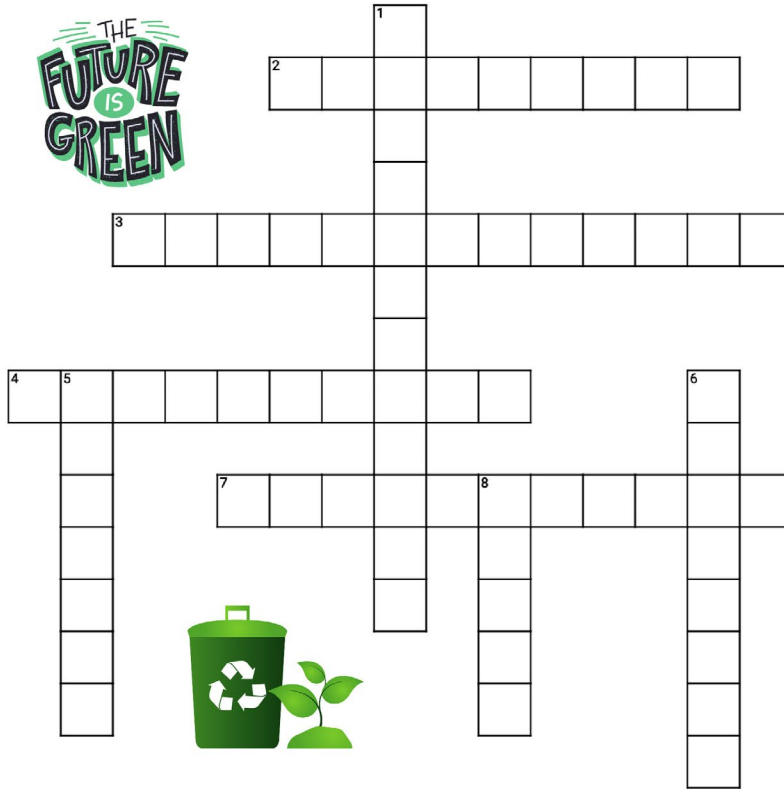




ENVIRONMENT



Complete the crossword puzzle by filling in the appropriate letters with the help of clues listed below.



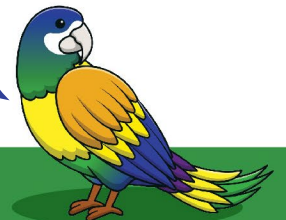
Across

- 2. A biological community of interacting organisms and their environment.
- 3. The act of clearing a wide area of trees.
- 4. An organisation that fights for the protection of the environment. ♻️
- 7. The surroundings in which people, animals and things live.

Down

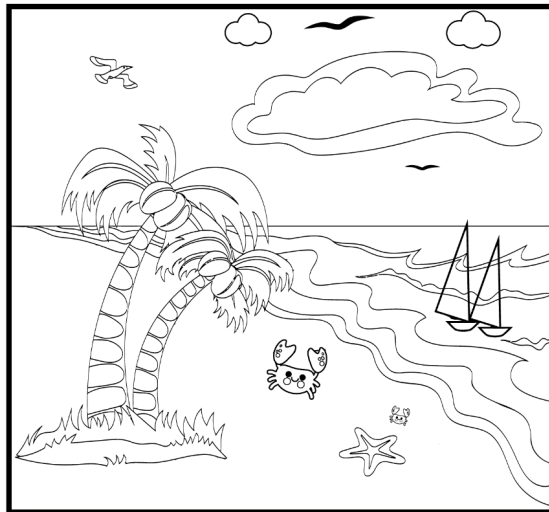
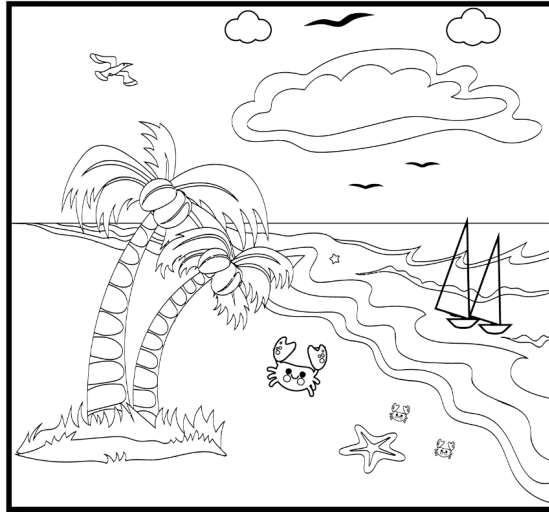
- 1. The prevention of wasteful use of a resource.
- 5. To convert waste into new material.
- 6. The disposal of waste by burying it.
- 8. A large area of water that sea life live in.

Did you know? Saint Vincent and the Grenadines is an island archipelago located in the Caribbean Sea. With a total land area of 389 square kilometers and 84 kilometers of coastline, the nation consists of over 30 islands, islets, and cays, 9 of which are inhabited.



SPOT THE DIFFERENCE

Spot the 5 differences in our beach photo and colour it for extra fun!



Did you know? St. Vincent is home to several volcanic beaches, with dark or black sand that's especially striking against the pounding Atlantic surf on the island's east coast. The Grenadines, however, have white-sand beaches, surrounded by aquamarine, turquoise, and deep-blue waters. Can you name some of the popular beaches?



JOURNAL

When I look outside I can see...

1. _____
2. _____
3. _____

Through my window I can hear...

1. _____
2. _____
3. _____

In my yard I can touch...

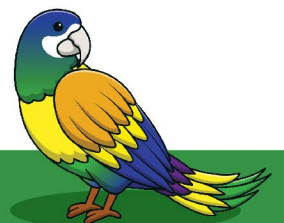
1. _____
2. _____
3. _____

How would you describe your environment? Jot it down:

My neighbourhood is...

If I could change one thing about my neighbourhood it would be...

What do you love the most about your environment?





CLIMATE



Find all the hidden words that are listed below.
Words can be down, across or diagonal. 🔍



Words to find:

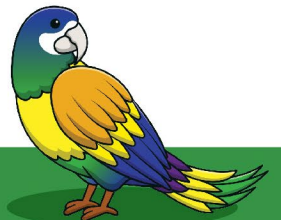
- FOSSIL FUEL
- GEOSPHERE
- GLOBAL WARMING
- METHANE
- RADIATION
- DESERTIFICATION
- BIOFUELS
- EVAPORATION
- DEFORESTATION
- OZONE
- WEATHER



Did you know? No two places on Earth have the same climate, however, many climates are similar. Some general types of climates are tropical, subtropical, temperate, polar and highland. Tropical climates are warm all year with no winter, just like us! They're near the Equator. Some tropical climates have a lot of rain. Others are dry.



LET'S COLOUR!



EXPERIMENT TIME

Fun Activity! Let's make a rain gauge!

What do I need? An empty plastic bottle, a big two-liter bottle is best, scissors, tape, permanent marker, a ruler, pebbles

What next? 1. Cut the top off the bottle starting at the widest point. 2. Turn this top portion upside down on the bottle and tape it in place with the cover off. This will be a funnel for the rain falling into the bottle. 3. Put a layer of pebbles in the bottom of the bottle (you may also use sand). This will keep it weighted and upright, but you can bury the bottle a little way into the soil in the garden to keep it in place. 4. Use a ruler and permanent marker to mark measurements. 5. Use inches on one side of the bottle and centimeters on the other side, starting with the lowest measurement towards the bottom.

Then? 1. Add water to the bottle up to the zero measurement (lowest) mark, or use the top of the pebbles as the zero line. 2. Place the bottle in a level area outside noting the time. 3. Measure the water level at any interval of time. If it's raining heavily, check it every hour to get more accurate results. You could also bury the bottle part way and insert a measuring stick with specific marks on it inside. 4. Put a few drops of food color in the bottom of the bottle and as the moisture meets them, the water will turn color, allowing you to pull the measuring stick out and gauge rainfall by where the stick is colored.

Keep a journal over a period of time to see how much rain comes in weekly, monthly or even yearly.

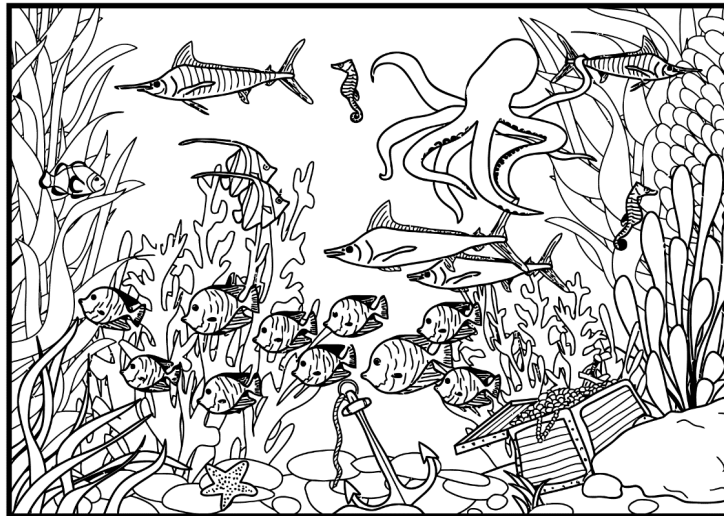
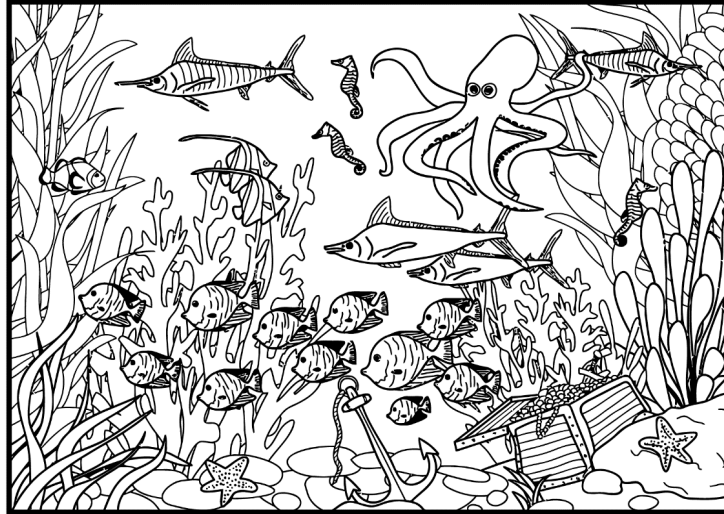


Did you know? Many factors affect climate. These factors include the Sun, oceans, winds, land types, clouds, and human activities. How does the rain affect our island?
How do human activities affect our island?

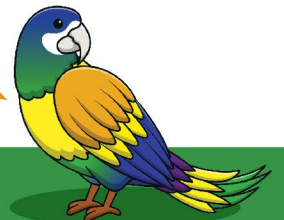


SPOT THE DIFFERENCE

Can you find the 5 differences?

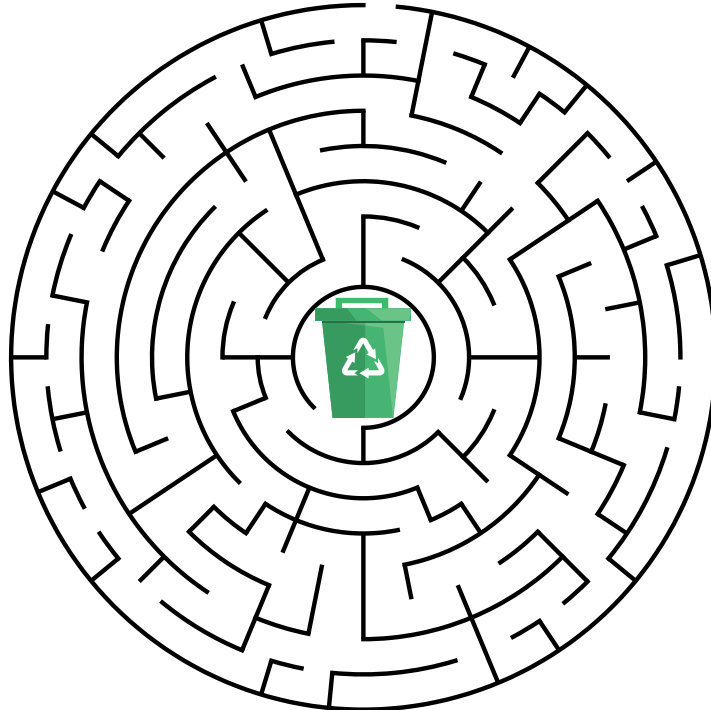


Under the sea! The tropical Caribbean Regional Ecosystem (CRE) is home to coral reefs and vibrant communities of fish and protected species that inhabit them. Recreation, tourism, shipping, and fisheries drive the economy of the CRE. Coastal communities face challenges such as coral disease, bleaching, hurricane impacts and pollution.



MAZE CHALLENGE

Can you help the boy find his way through the maze to put his rubbish in the recycling bin?

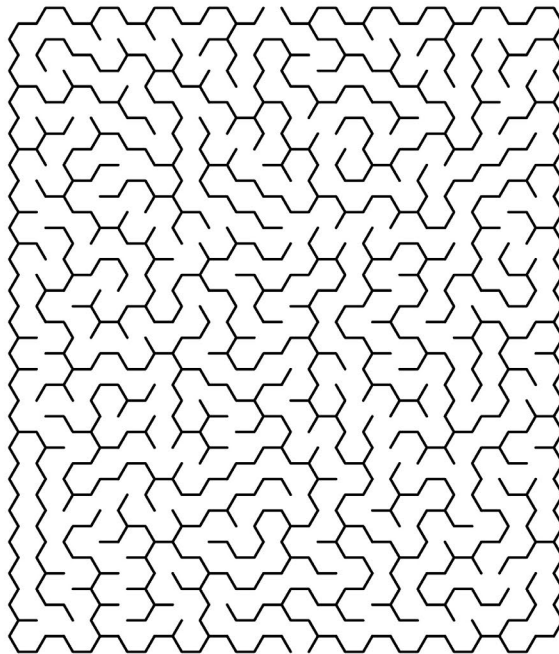


Did you know? Recycling is one of the simplest ways to save energy (from manufacturing) air (from burning) and water (from littering) pollution.

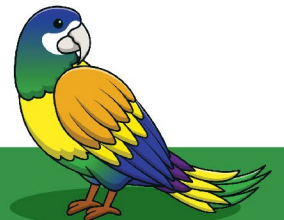


MAZE CHALLENGE

Ride a bicycle to visit a local forest or nature trail.



Did you know? September 22nd is celebrated worldwide as "Car Free Day". Walking and riding a bike are great ways to reduce pollution!





POLLUTION

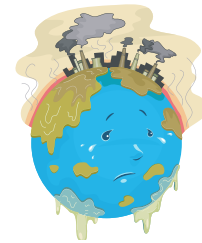


Find all the hidden words that are listed below.
Words can be down, across or diagonal. 🔍



Words to find:

- FOREST FIRES
- CAR FUMES
- ACID RAIN
- OIL
- INDUSTRIAL
- PESTICIDES
- SEWAGE
- GAS
- CONSTRUCTION
- CHEMICALS
- LANDFILLS
- WASTE



Do you like word searches?
Play this with your friends and see who can finish in the fastest time!

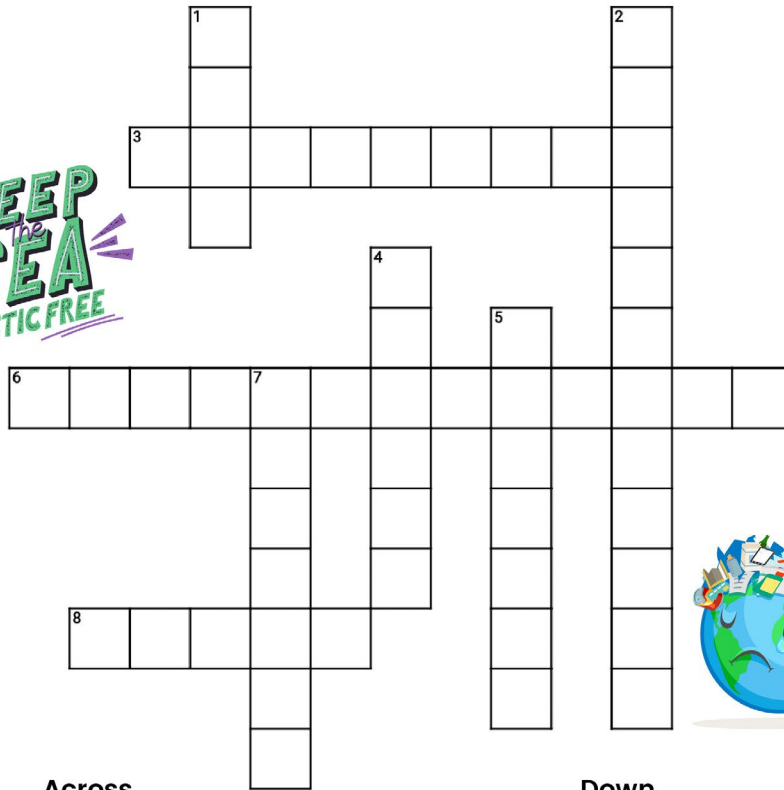




POLLUTION



Complete the crossword puzzle by filling in the appropriate letters with the help of clues listed below.



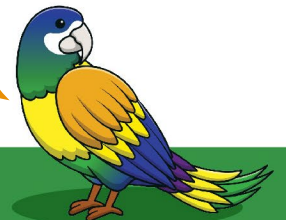
Across

- 3. Something that affects the world on land in the air and in the water.
- 6. The opposite of pollution.
- 8. Opposite to clean.

Down

- 1. Air pollution (mixture of the word smoke and fog).
- 2. Exposed to pollution, poison or radioactivity.
- 4. Separates rubbish and water.
- 5. Something we throw out when we don't want or need it any more.
- 7. A material that can be used to make water bottles.

Let's say NO to plastic! The use of plastic products could be very harmful to the environment as they take a very long time to decompose due to their material made from fossil fuel. The use of paper bags instead is a better alternative as they decompose easily and are recyclable.





THE CARIBBEAN



Find all the hidden words that are listed below.
Words can be down, across or diagonal. 🔍



Words to find:

- WHITE SAND
- HAMMOCK
- TROPICAL
- ISLANDS
- SWIMMING
- FLIP FLOPS
- SEAFOOD
- BEACH
- SUNGLASSES
- SURFBOARD
- PALM TREE
- WAVES



We live where many people want to vacation!
Let us all do our part to keep our Island clean!

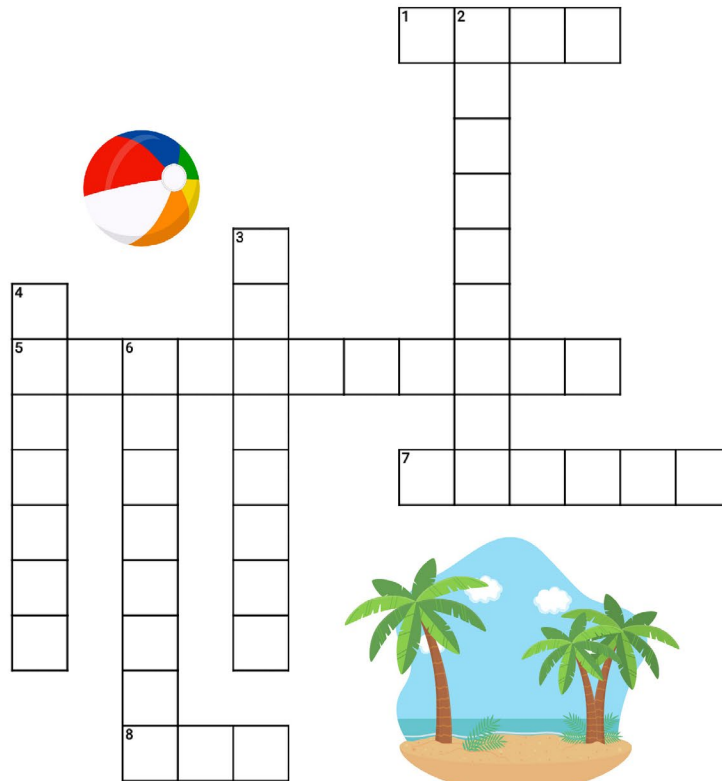




THE CARIBBEAN



Complete the crossword puzzle by filling in the appropriate letters with the help of clues listed below.



Across

- 1. Jamaican cooking technique.
- 5. Chain of islands between the Atlantic ocean and the Caribbean sea.
- 7. A piece of land completely surrounded by water.
- 8. A large body of salty water often connected to an ocean.

Down

- 2. The Carribean was settled and claimed by many, What?
- 3. Caribbean Country where the steel drum was invented.
- 4. Caribbean regional community.
- 6. Last name of the explorer who discovered the islands of Trinidad and Tobago

Do you like crosswords?
I do... let's see if you can figure out these clues!



EXPERIMENT TIME

Air Pollution Experiment

What do I need? Here's what you'll need:

A piece of clear plastic (front of a photo frame)

Petroleum jelly

A small rock

A sheet of white paper

1. Spread petroleum jelly on the plate or cup and then use a rock or other heavy object to weigh it down. We used the clear plastic front from a picture frame.

2. Take a before picture and leave the cup outside for twenty-four hours. The next day, place the white paper behind the plate or inside the cup to make it easier to see all the particles that have collected in the petroleum jelly.

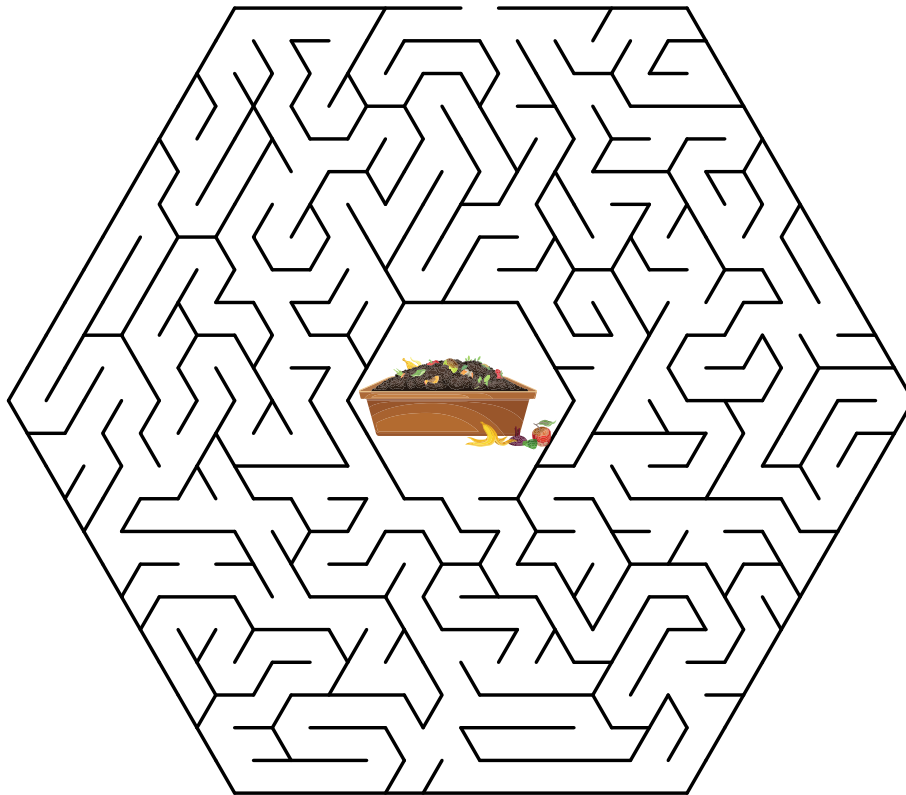


Let's see how much pollution we have in our neighbourhoods. We can't see pollution with our bare eyes, but this experiment may help!

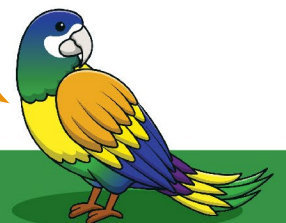



MAZE CHALLENGE

Put the food scraps in the compost!



Compost is decomposed organic material. Compost is made with material such as leaves, shredded twigs, and kitchen scraps from plants. To gardeners, compost is considered "black gold" because of its many benefits in the garden. Compost is a great material for garden soil.





It's sad to say, but we live in a generation where people don't care about the environment! One of the major things we are faced with is pollution. Pollution is the introduction of harmful materials into the environment. Pollution comes in many forms.

Can you name some ways?

We are effected by air pollution- also known as fumes or gases.

Air pollution is a mixture of solid particles and gases in the air.

Can you think of some fumes?

You're correct!

Car emissions and chemicals from factories

Our water and oceans may become polluted also, when cruise vessels dump oil and other waste into the water, or when we picnic at the beach and leave our litter, that litter can get into the water and destroy our marine life.

Have you heard of deforestation? Deforestation is the clearing of trees, transforming a wooded area into cleared land. Why is it bad you ask?

The cutting down and removal of all or most of the trees in a forested area can erode soils, contribute to desertification and the pollution of waterways, and decrease biodiversity through the destruction of habitat



ENVIRONMENT

Unscramble the words below.

1. NEOGARTEIN _____
2. OOPITLLUN _____
3. ESFMU _____
4. AWTER _____
5. AILASNM _____
6. UAMTIYNH _____
7. ECONA _____
8. OFRITOTESDAEN _____
9. TRGEINILT _____

Unscramble these words.

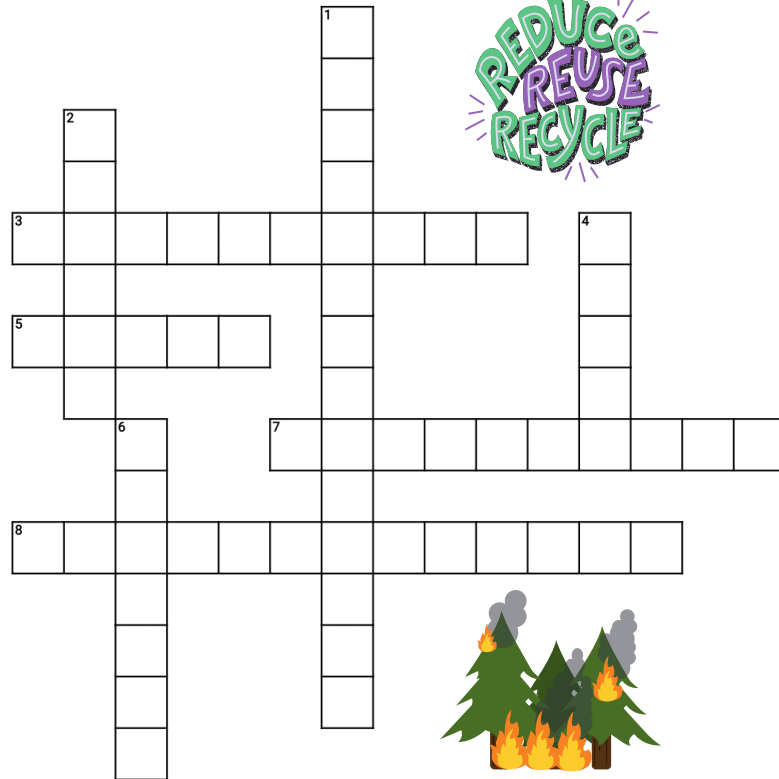
Read the passage on the previous page and it will help you!



ENVIRONMENT



Complete the crossword puzzle by filling in the appropriate letters with the help of clues listed below.



Across

3. _____ gases can cause global warming.
5. _____ energy: direct radiant energy from the sun.
7. The mixture of gases surrounding the earth.
8. _____ is another name for global warming.

Down

1. Process that occurs in living green plants where carbon dioxide is converted to oxygen.
2. _____ dioxide is what we exhale.
4. Planet _____ is heating up because of global warming.
6. The average weather for a region over a long time period.

Here's another fun crossword all about the environment!



GUESS THE PHRASE!

Can you guess what these phrases are?

ATLAN_{DROP}TIC

hive
beauty

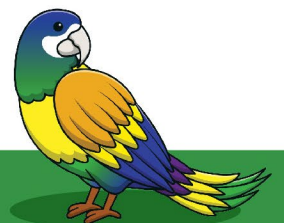
vegbelates

house

OCE

ANS

Score 10 points for each correct one!



LET'S COLOUR!

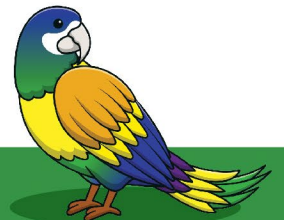


CLIMATE CHANGE

Unscramble the words below.

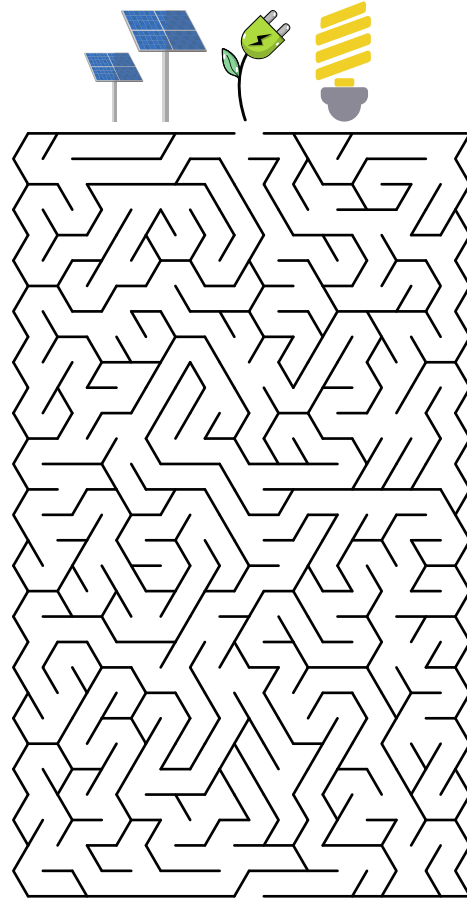
1. CMEAILT GEHANC _____
2. FSRTOER FSIRE _____
3. SRNIIG ARETW VELSEL _____
4. FSODOL _____
5. ETWERAH _____
6. ETAH _____
7. MSROTS _____
8. TAOODSRN _____
9. HIERANSRCU _____
10. ASBHITAI _____
11. AGLLBO NMIWARG _____
12. EGENR SUEOH EAGSS _____

What are some of the words you think of when you hear the word climate change? Unscramble them!



MAZE CHALLENGE

Conserve energy at home - switch off lights & unplug appliances.



Let's be green kids and help save our island...
Turn off lights you're not using. Better yet encourage your parents to switch to energy saving bulbs, like compact fluorescent light (CFL) or light emitting diodes (LED). They last longer and use less energy.



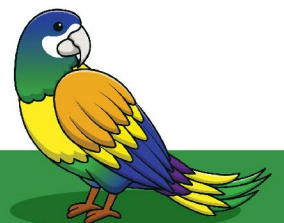
JOURNAL

Reflection Time

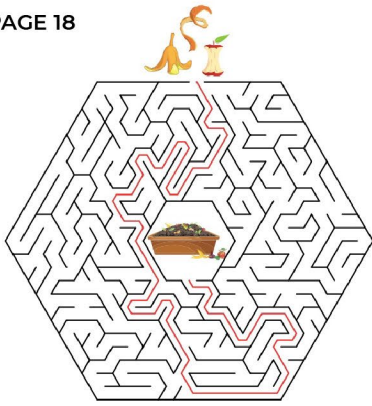
What have I learnt?

What can I do to save my island from Pollution?

What does my island look like 5 years from now?



PAGE 18



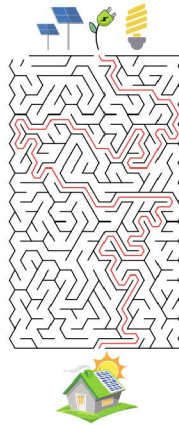
PAGE 25

1. CLIMATE CHANGE
2. FOREST FIRE
3. RISING WATER LEVELS
4. FLOODS
5. WEATHER
6. HEAT
7. STORMS
8. TORNADOS
9. HURRICANES
10. HABITATS
11. GLOBAL WARMING
12. GREEN HOUSE GASES

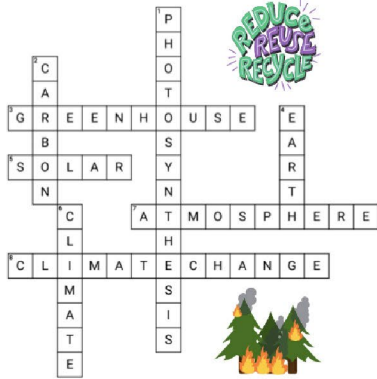
PAGE 20

1. GENERATION
2. POLLUTION
3. FUMES
4. WATER
5. ANIMALS
6. CREATION
7. OCEAN
8. DEFORRESTATION
9. LITTERING

PAGE 26



PAGE 22



PAGE 23

- Drop in the ocean
- Beauty is in the eye of the beholder
- Mixed vegetables
- Greenhouse
- Oceans apart



Hope you had fun!

