Think Through It

To leave the world better than you found it,sometimes you have to pick up other people's trash.
BILL NYE

Apr 2022

MacVista

techknow funtime comicstrip artbeat gaminghour inspiringlives yoga yourcorner currentaffairs

Happy Earth Day

Earth day has been celebrated for the past 50 years to help create awareness about sustaining our planet. It is not just another holiday but a day of commitment to our unique planet. It focuses on ways to recognise global climate issues and looks for ways to save the only home that we have.

In 1969, US Senator Gaylord Nelson was shocked at the devastation caused by a massive oil spill in Santa Barbara, California. He realised that a mass movement was needed to show that our home needs help. He mobilised students at universities, colleges and schools to spearhead the movement that became Earth Day. Today, this movement has a global presence. Students, activists and ordinary people realise that we are fighting a battle against pollution, environmental crisis and the greed of humankind.

Industries are the face of development but they are also major pollutants. Smoke from the chimneys, untreated toxic waters which flow out to the rivers and oceans, oil spills and tons of plastics, e-wastes etc. have created massive pollution.

In 2018, footage from Philippines showed its capital Manila engulfed by waves of single-use plastics thrown up by the sea. The Gulf oil spill of 10 years ago still shows the horrible effect on marine and birdlife. Nature is fragile and an environmental crisis on such a huge level makes it hard to revert to its pristine stage.

It is heartening to see young people take centre stage when it comes to taking action on the climate crisis. UNICEF's "Voices of Youth" offers a platform for our young to speak their thoughts, ask their questions and lead movements to generate awareness about sustaining our earth.

Buzzy Bees

Have you ever wondered how plants produce so many different flowers, fruits, vegetables, pulses and cereals? We must thank the ever flying, ever buzzing honey bee for the bounty of good crops!

Thousands of bees live in a colony called hives and they have just one queen boss. The rest of the bees are worker bees and a few are male drone bees. The queen bee's job is to reproduce as many bees as possible. The drones mate with other queen bees and procreate. The worker bees go foraging for honey and visit as many flowers as they can.

The bees have a tightly-rolled spiral, straw-like tongue that they unfurl to suck the nectar out of flowers. While they are busy getting nectar, the pollen in the flowers gets stuck to the bodies of the bees. This pollen is transferred to other flowers as the bees fly about and help in the pollination and procreation of new flowers.

The anatomy of bees reveal a honey stomach that stores nectar. The bees return to the hives with a full stomach and hand it over to the other bees who chew the nectar, turning it into honey. This sweet juice is stored in wax cells and slowly turns viscous and sticky.

Professional beekeepers harvest the rich, sweet, golden honey without harming the colony or depleting it. However, there is sad news. Honey bees are in danger! The bee population has been impacted by deforestation, loss of habitat, and too many buildings and vehicles. If we lost these winged friends, we would all be in serious jeopardy. Without bees, there would be no pollination and therefore, no food.

So how do we protect the bees? Grow more trees and create a healthy environment for them and us.

yoga

CHILD'S POSE

CHILD'S POSE

This asana serves as a period of rest between more challenging positions. It gently stretches the back muscles, hips, thighs and ankles.

How to do

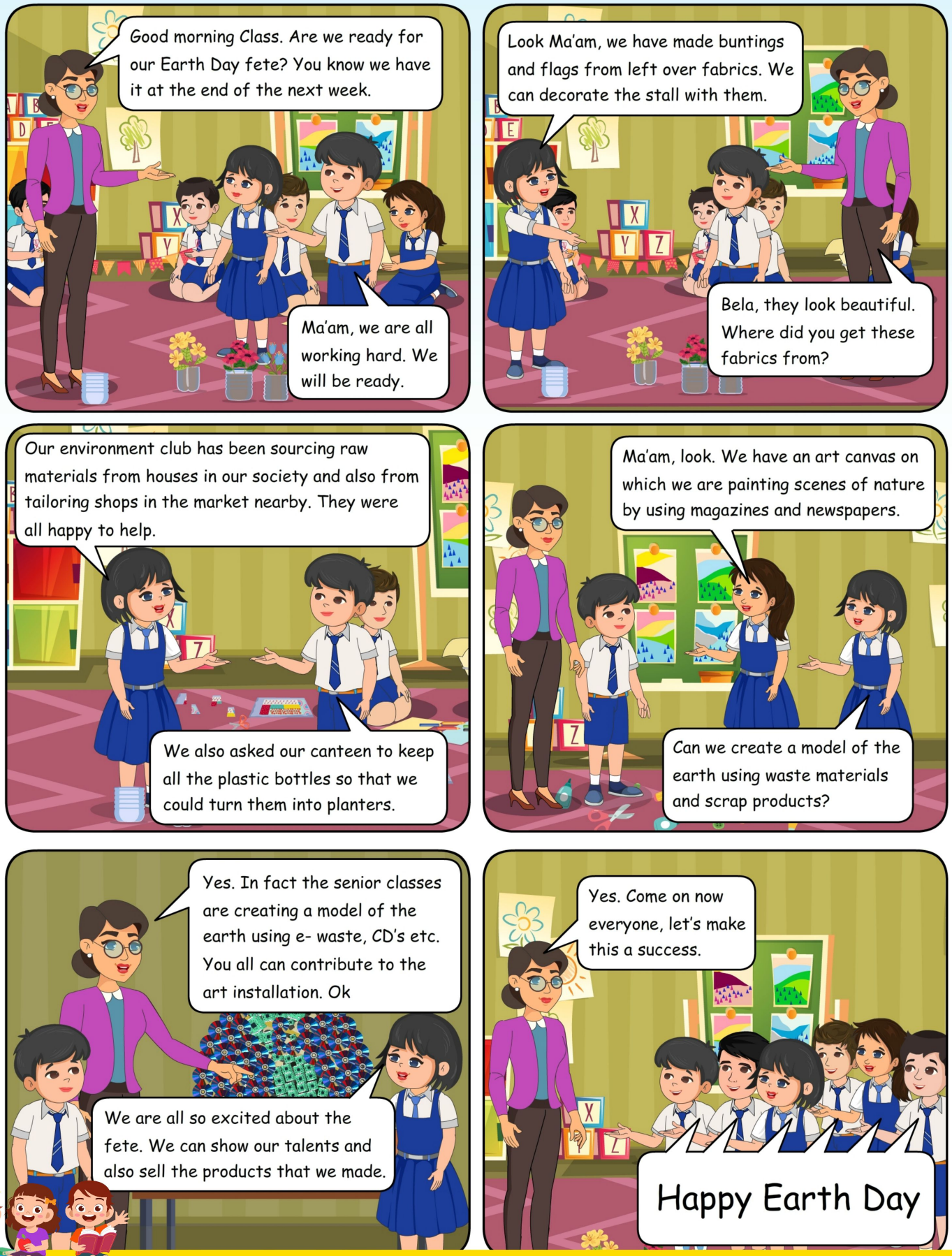
- Kneel on the mat and sit back slowly on your heels
- Keep the knees together
- Lean forward to rest your forehead on the mat
- Keep your arms by the side with the palms facing up
- Relax and take deep breaths
- If you feel uncomfortable then extend your arms over the head.
- Make fists with your palms and rest your forehead on it.
- For a more challenging pose, spread the knees and let your stomach touch the ground.

Benefits

- It calms the mind
- Stretches the muscles
- Restores balance.

COMIC STRIP

Baira and Bela



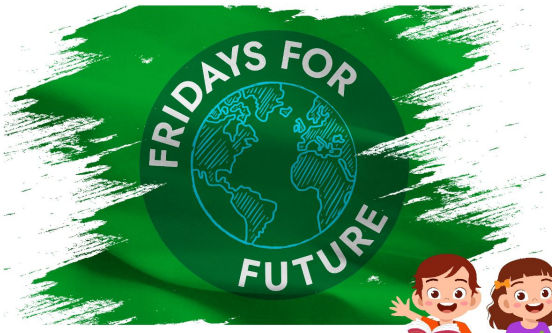
GRETA THUNBERG

In August 2018, the Swedish Parliament was greeted by a tough, young lady of 15 years of age who posed some rather uncomfortable questions on the climate crisis to the policymakers. She was Greta Thunberg who has become a beacon of revolution for the youth. Her straightforward, no- nonsense rhetoric has made her the standard -bearer for climate action. She took on global leaders as she shamed them by directly telling them -"You all come to us young people for hope. How dare you? You have stolen my dreams and my childhood with your empty words."

Born to Malena Ernman, an opera singer and Svante Thunberg, an actor from the family of the scientist who created a model of the greenhouse effect, Greta was diagnosed with Asperger's syndrome but has described it as her "superpower".

Greta started a "Friday for future" movement with other school children to focus attention on the worsening climate crisis. This movement has generated a lot of interest amongst the youth. Greta has received a nomination for the Nobel peace prize for climate activism.

Greta Thunberg has inspired thousands of young people to challenge the lacklustre approach of the present generation to the worsening climate catastrophe.



GAMING HOUR

Let's beat the heat with a little game. Have your dice ready and place your tokens at the start of the game. This game can be played by 4 to 6 people at a time. Happy gaming.

A raging wildfire. Take the animals to safety. Go back 2 spaces.

Monkeys in the house. Skip a turn.

Helped a little lost elephant baby find its Mamma. Jump to 20.

Repair the bridge across the river. Roll a six to move.

Cleaned the beach. Roll a two to go on.

Rescued a turtle from the nets. Jump to 8.

Shot a tiger with a camera. Roll a six to proceed.

Reduce, reuse and recycle. Roll a two to finish the game.

A tree crashes down. Miss a turn to help clear the road.

Roll a six to start the game.

START

FINISH

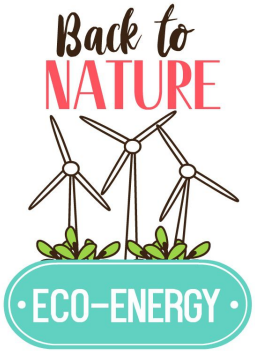
skills enhanced- General awareness, following instructions

ART BEAT

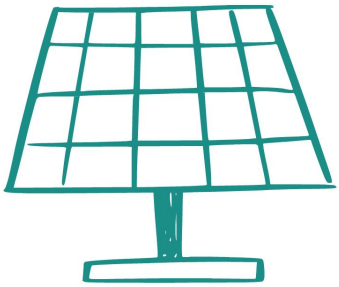
On the occasion of the Earth Day on 22nd April, let's unleash our creative side. Colour this beautiful picture and share it with us at - editor_macvista@macmillaneducation.com
The best entries will be published.

Skill Enhanced - Visualisations, cognition, motor skills

Let’s design a beautiful poster celebrating Earth Day. We have given some icons to help you in this quest. Happy drawing everyone and remember, the best entries will be showcased in the next newsletter. Send your entries to us at- editor_macvista@macmillaneducation.com
The best entries will be published.



Save water



Sun battery

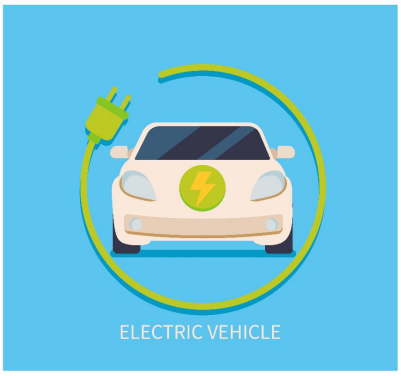
Skill Enhanced - Visualisations, cognition, motor skills

TECHKNOW

A GREEN RIDE

The auto industry generates quite a sizeable percentage of carbon emission, however, environmental concerns and increasing awareness toward a better, cleaner and greener future are the mantras for the new age of automobiles.

With alternate fuel technology and zero- emissions the E- vehicles are gearing up for a better future. Increasing air pollution and the pandemic has led to consumers becoming more aware of the harmful effects of auto emissions. Research on efficient engines, better mileage from the cars, competent tyres and lesser emissions are being carried on.



Hybrid cars which are a combination of petrol and electricity have been introduced into the market. Toyota Prius in 2016 had the best-selling hybrid more recent entrants are the electric hybrid Chevrolet Volt, and the luxury all-electric plug-in Tesla Model S. In India, electric cars like Reva from Mahindra and Nexon EV from Tata Motors are ramping up to corner the market.

Governments, the world over, have agreed to upscale infrastructure which would help in producing more EVs. Sun Mobility, a key start-up in India is making swap charging infrastructure for public transportation. The government of Gujarat now uses Sun Mobility's swap charging in a few of its buses and is looking to scale up in the coming year. Uber and other app- based taxi services are also on board to revamp their energy usage from fossil fuel to electric or hybrid formula.

No vehicle will ever be 100% non- polluting but with considerable technical advancement, better engines, superior mileage and lesser emissions, we can look forward to a greener future.

FUN TIMES

word search

Unearth the words

r	e	s	p	o	n	s	i	b	l	e
e	v	a	n	w	o	y	s	r	s	l
c	r	t	h	h	i	i	e	u	e	b
y	e	c	p	m	t	d	e	g	s	a
c	s	n	a	t	u	r	e	g	t	n
l	n	i	a	c	l	c	a	r	e	i
e	o	w	e	i	l	o	r	e	h	a
e	c	e	t	x	o	s	o	e	a	t
t	e	n	a	l	p	l	a	n	t	s
o	t	e	o	a	u	t	e	a	i	u
i	b	r	h	n	e	e	a	m	a	s

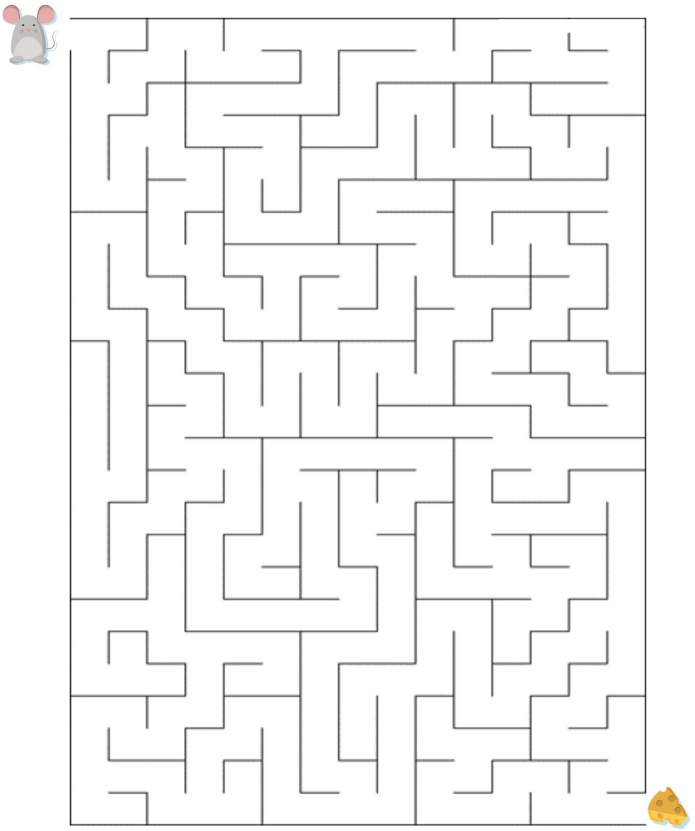
care
conserve
earth
green
nature
planet
plants
pollution
recycle
reduce
renew
responsible
reuse
sustainable

BRAIN TEASERS

Eight sheets of coloured paper fell onto the ground.
Determine which coloured paper was the third to fall on the ground. Green, Purple, Red and Light Blue

MAZE CRAZE

Can you find your way through the crazy maze below?



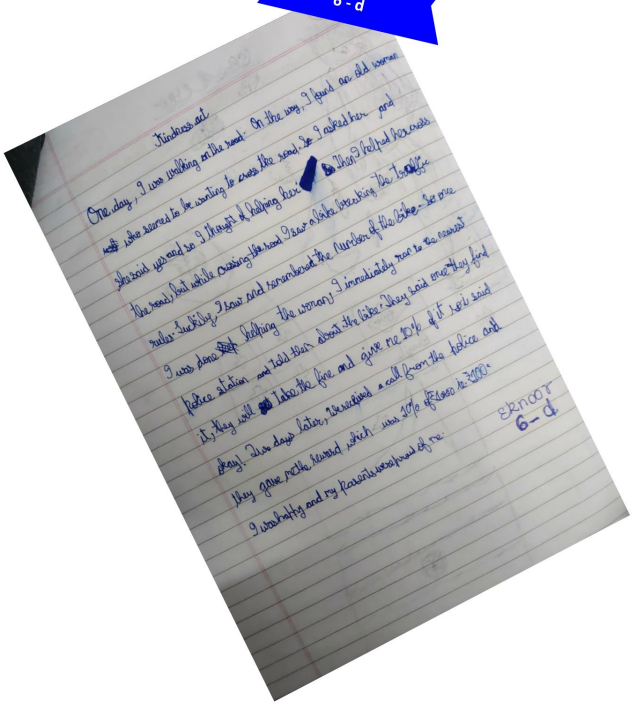
How many triangles of the same size as the highlighted triangle are there in the figure?

From multiple sources

YOUR CORNER

HONOUR ROLL

Eknoor
6 - d



Naitik Sinha

What are you going to do to help our planet this Earth Day? You can help by saving electricity, recycling or reusing things. Tell us five things that you would do to make our Earth a better place to live in. Write in to us at -editor_macvista@macmillaneducation.com
The best entries will be showcased in the next newsletter.

RIDDLES

What gets bigger the more you take away?
Answer: A hole.

What two words, added together, contain the most letters?
Answer: Post office.

JOKES

What did one plate say to the other plate?
Dinner is on me!

What is round, hairy and wears sunglasses?
A coconut on vacation.

FUN FACTS

Did you ever wonder how April Fool's Day started? It is speculated that the custom of April Fools began in France during the 16th century after the New year calendar was moved from April 1st to January 1st. Those who continued to celebrate the April new year were considered fools, and often the victims of practical jokes. Today we just like to have a little fun with our friends!

from multiple sources

CurrentAffairs

Apr 2022

INTERNATIONAL

1st Apr

Sri Lanka's capital, Colombo was put under curfew after violent protests near the President's house. Sri Lanka is reeling under a severe economic crisis.

3rd Apr

Pakistan's President dissolves the National Assembly as no – confidence motion was initiated against Imran Khan, PM of Pakistan.

7th Apr

Russia is suspended from UNHRC for its act of war against Ukraine.

11th Apr

Shehbaz Sharif elected Pakistan's PM after Imran Khan lost the no confidence vote in the National Assembly.

12th Apr

Morning commuters in New York's Brooklyn subway were injured when a man opened fire indiscriminately in a random act of violence.

South Africa is facing unprecedented rains which has created many problems for the people.

14th Apr

Finland is thinking of joining NATO underlining its security concerns with Russia

15th Apr

Afghanistan was rocked by an earthquake measuring 4.2 on Richter scale.

19th Apr

Russia concentrates its soldiers on the east of Ukraine. Donbas is the focus for Russia now.

NATIONAL

6th Apr

India launches a no plastic initiative titled Prakriti to generate awareness and educate people against single use plastics.

9th Apr

DRDO successfully tests the Pinaka rocket system at Pokharan.

12th Apr

The first-ever 'Made in India' Dornier 228, 17 seater passenger aircraft will begin providing air connectivity to remote towns of Arunachal Pradesh.

SPORTS

3rd Apr

Australia women cricket team won the ICC Women's world cup final, lifting the trophy.

9th Apr

Dipika Pallikal won the women's and mixed doubles titles with Joshna Chinappa and Saurav Ghosal, respectively at the World Doubles Squash Championships 2022.

13th Apr

Rohit Sharma becomes the second Indian batsman after Virat Kohli to score 10,000 runs.

ART AND OTHERS

19th Apr

Noted Odia singer Praffula Kar passed away.

Image Courtesy: Subhashish Panigrahi
"Praffula Kar is an Indian singer from Odisha, India. Photographed during an Odissi dance event at Rabindra Bhaban, Bhubaneswar," is taken from Own work
This file is licensed under the Creative Commons Attribution-Share Alike 4.0 International license.

ANSWERS

FUN TIMES

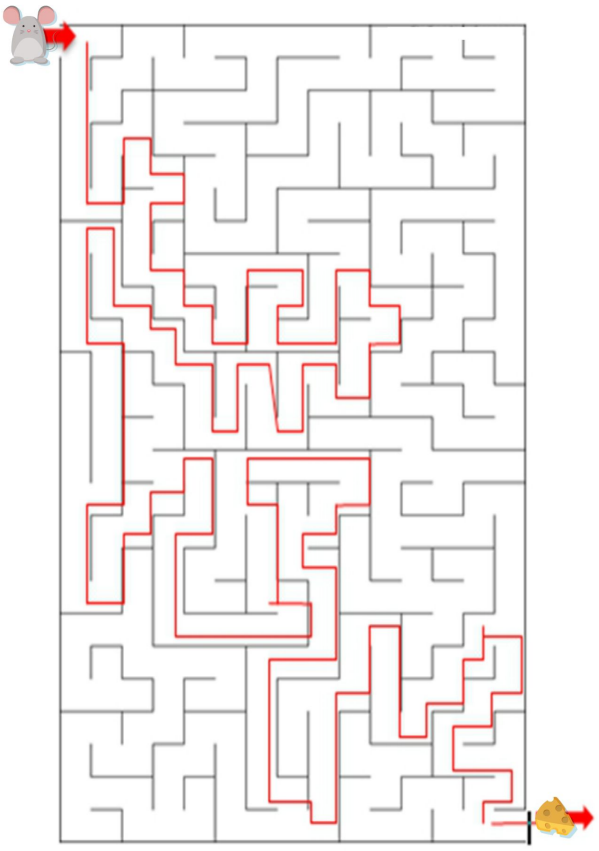
Answer sheet

word search

Unearth the words

r	e	s	p	o	n	s	i	b	l	e
e	v	a	n	w	o	y	s	r	s	l
c	r	t	h	h	i	i	e	u	e	b
y	e	c	p	m	t	d	e	g	s	a
c	s	n	a	t	u	r	e	g	t	n
l	n	i	a	c	l	c	a	r	e	i
e	o	w	e	i	l	o	r	e	h	a
e	c	e	t	x	o	s	o	e	a	t
t	e	n	a	l	p	l	a	n	t	s
o	t	e	o	a	u	t	e	a	i	u
i	b	r	h	n	e	e	a	m	a	s

care
conserve
earth
green
nature
planet
plants
pollution
recycle
reduce
renew
responsible
reuse
sustainable



ANSWERS

6 triangles

From multiple sources