

Green Generation

AN ENVIRONMENTAL MAGAZINE BY ACADEMY OF SUSTAINABILITY

BEEAH

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Our Earth is sick, &
there's one remedy
Page 6

Nature Based
Solutions to
Environmental
Issues from the UAE
Page 10



Meet the little champion of this issue!
Page 16

Dear GG friends,

In this special issue, everything's new! With new strokes of information, inspiration, and art, we welcome you to join us in discovering the hidden realms of sustainability through a series of short articles, comics, games, and a section dedicated to recognizing eager young champions like yourself!

Fasten your seat belts, it is going to be an exciting ride!

With love,
BEEAH
EDUCATION

IN THIS ISSUE

- Page 6** Our Earth is sick, & there's one remedy
- Page 10** Nature Based Solutions to Environmental Issues from the UAE
- Page 18** Meet the little champion of this issue!



A CLOSER LOOK AT

★ CLIMATE CHANGE

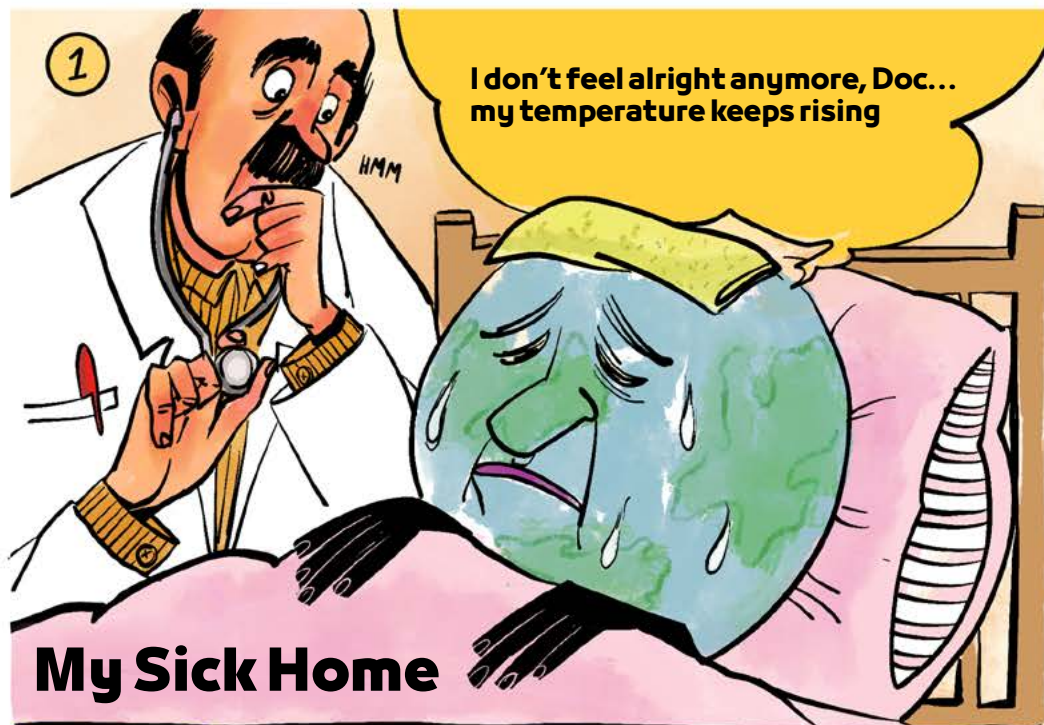
Our home—planet Earth is haunted by a vicious monster who lurks around...

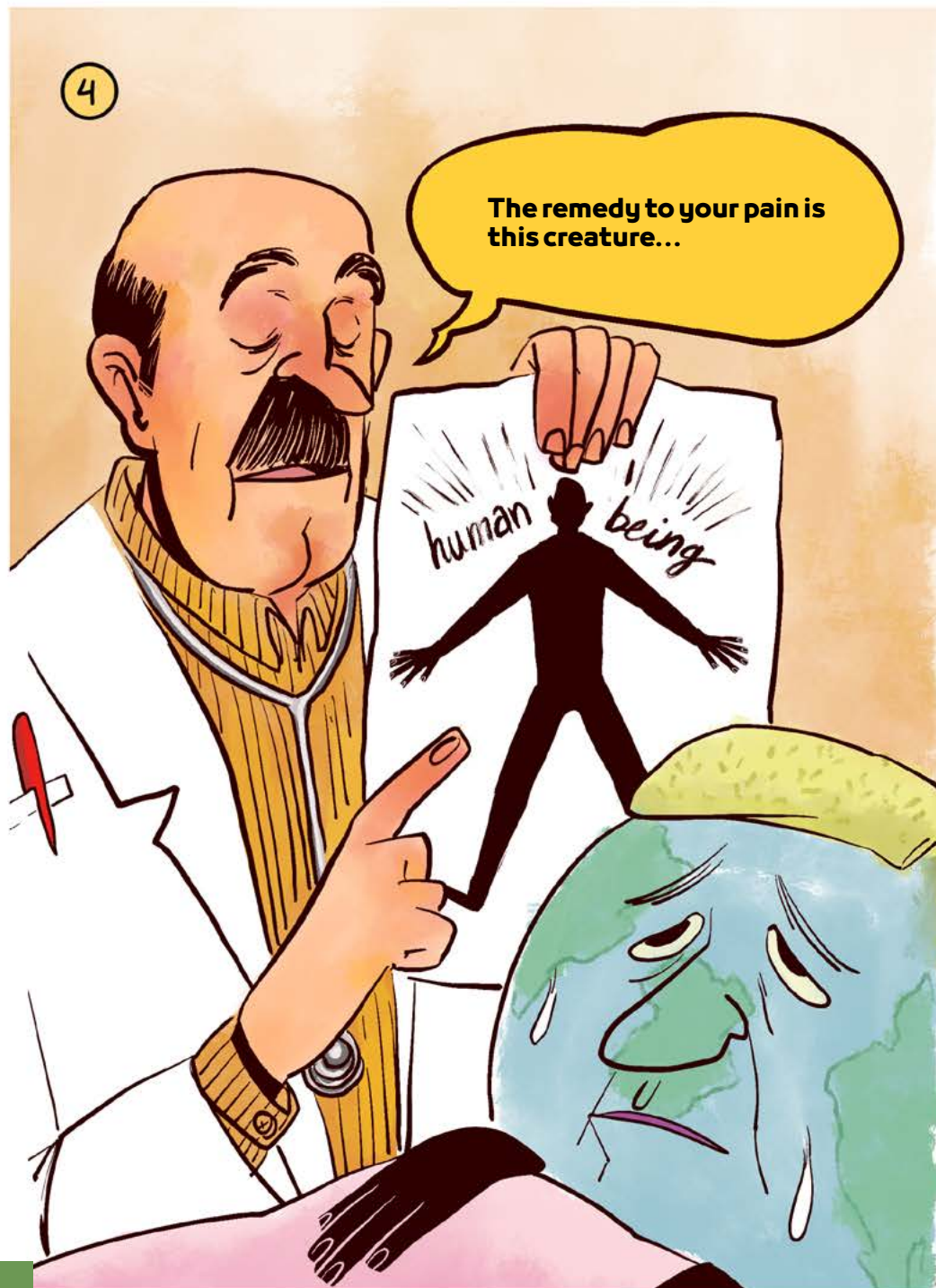
His gigantic claws of natural disasters like tornados, tsunamis & wildfires are getting stronger & more fierce. We humans, along with the surrounding animals & plants are exposed to a monster called "Climate Change", that we feed. It gets stronger because of us human beings. We keep on clearing more lands to grow food & build cities.

We are also building machines & cars that need fossil fuels. Therefore, the more we consume, the more we release carbon dioxide that suffocates our planet Earth. It is getting hotter & more challenging to live on Earth. Yet we keep on growing, reaching other galaxies with the technologies that we have built.

Today, we can create a better future for us all...we can bring hope through advanced technologies and use nature-based solutions derived from our surroundings. We can use the power of water, the sun, & wind to produce energy. We can grow food & crops sustainably. We can boost our natural system to help clear the pollution we have created.

It is a promise to our planet...and our hope for the future.





let's dig deep

with **MOZA** & **SULTAN**



What is NBS?

Nature-based Solutions (NBS) are actions to address imminent environmental and social challenges by protecting, sustainably managing, and restoring natural and modified ecosystems.

Examples of Nature-based Solutions from our Beloved UAE

1. The Conservation Management of Sharjah's Sir Bu Nair Island

According to UNESCO, the protected island, Sir Bu Nair, is one of the most important marine protected areas in the UAE because of its significant environmental elements, such as geological formations, natural flora and marine birds, island characterised by the nature scenery, and sandy beaches that have been chosen by sea turtles as a haven for breeding.

2. Restoring the Mangroves Ecosystems in the UAE

The UAE government has committed to planting 100

million more mangrove plants by 2030, taking the total area of forest across the emirates to 483 square kilometres. It hopes to capture 115,000 tonnes of CO₂ annually.

3. Reef Restoration Across the UAE

Restoration efforts are widespread in the United Arab Emirates. Environment Agency Abu Dhabi is re-planting corals after growing them in nurseries, while Dubai will plant one billion corals along the coast of the emirate.

The UAE's first restorative and educational coral exhibition was held last year to showcase a scalable restoration approach capable of accelerating the growth of native corals up to fifty times faster than in their natural habitats, while also bolstering their resilience to rising temperatures linked to climate change.



Wild **BUT TRUE!**

Not only plants photosynthesise.

Algae (which are not plants) and some other organisms – including sea slugs and pea aphids – contain chlorophyll and can also take sunlight and turn it into an energy source.

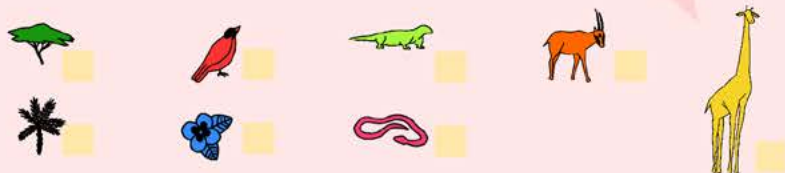
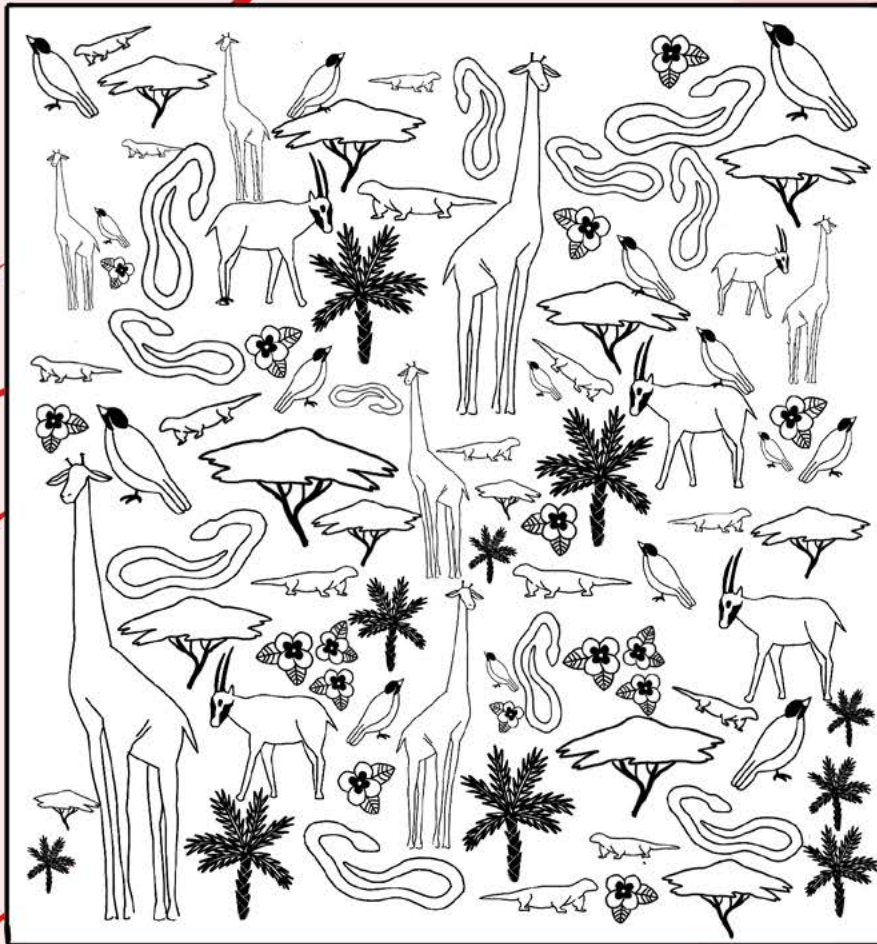
A lightning bolt is five times hotter than the surface of the Sun.

The charge carried by a bolt of lightning is so intense that it has a temperature of 30,000°C (54,000°F).



BSPY

How many repetitions of each element do you see?



★ i find



CLIMATE
NATURE
ECOSYSTEM
FLORA
FOSSIL
FLOOD
MANGROVE

PROTECT
GENERATE
HABITAT
CONSERVE
SUSTAIN
CREATURES

LITTLE CHAMPIONS

Using an old plastic bottle, student Khalid Mohamed Ibrahim, made a spaceship model that can, with a bit of imagination, travel to Pluto & Mars!

Khalid Mohamed
Sixth Grade

Abu Obaidah Bin Al
Jarrah School



Get featured !

Send us a picture with your awesome environment-friendly invention to be featured on our Little Champions page!

Don't forget to include your name, grade, & the name of your school before sharing it with us at **amalhamadi@beeahgroup.com**



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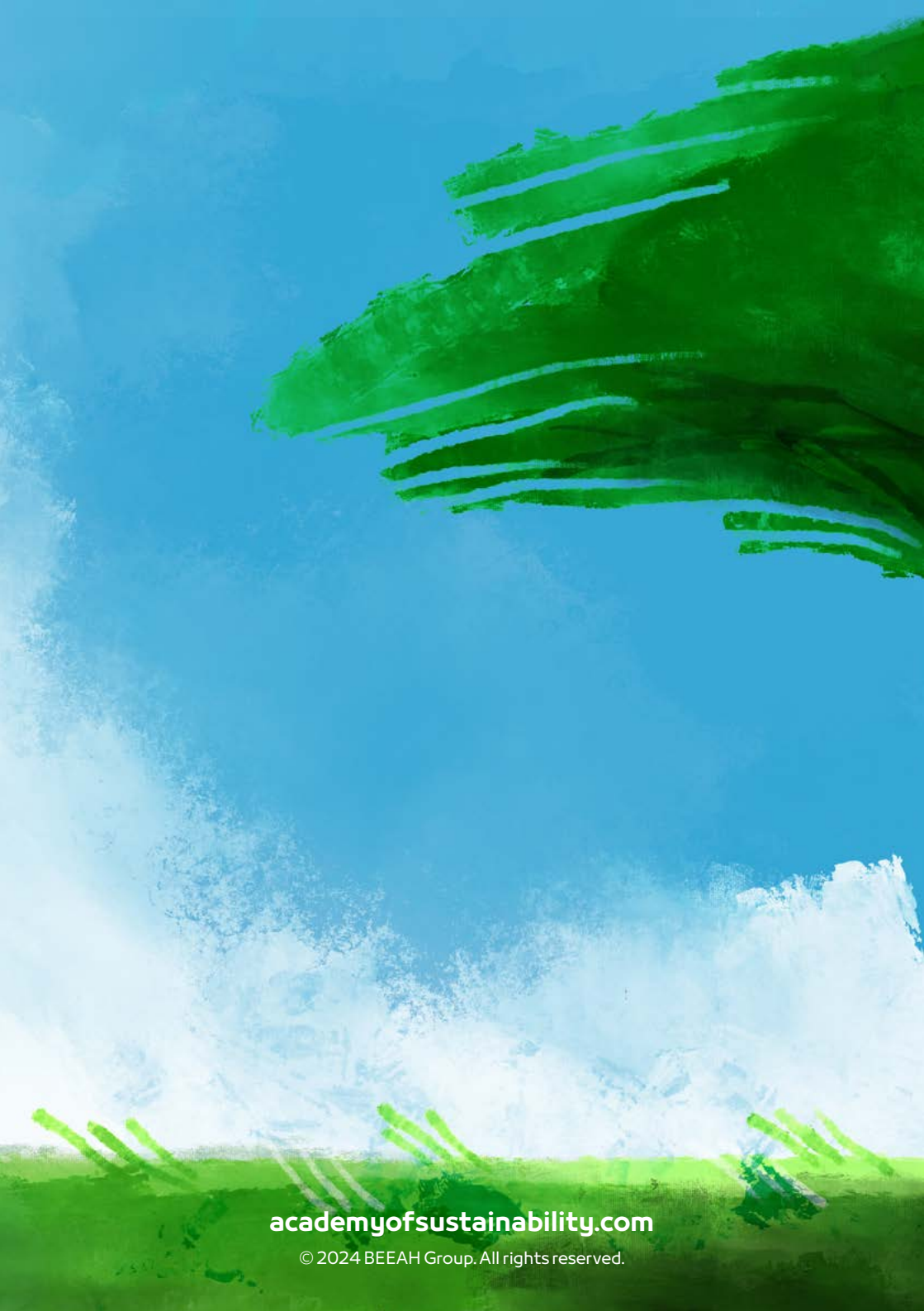
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