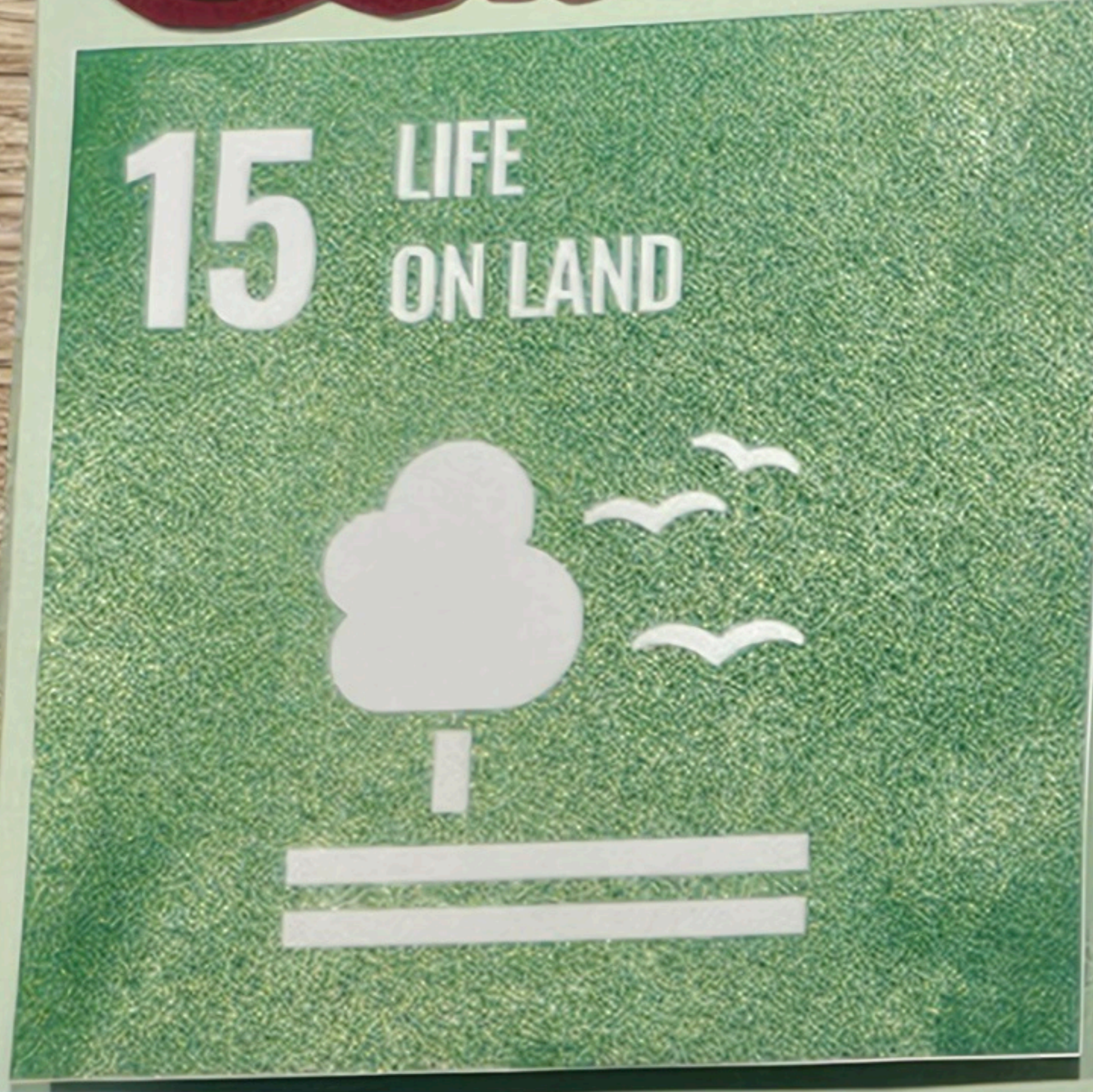


Guardian



land
of

Current environmental problems

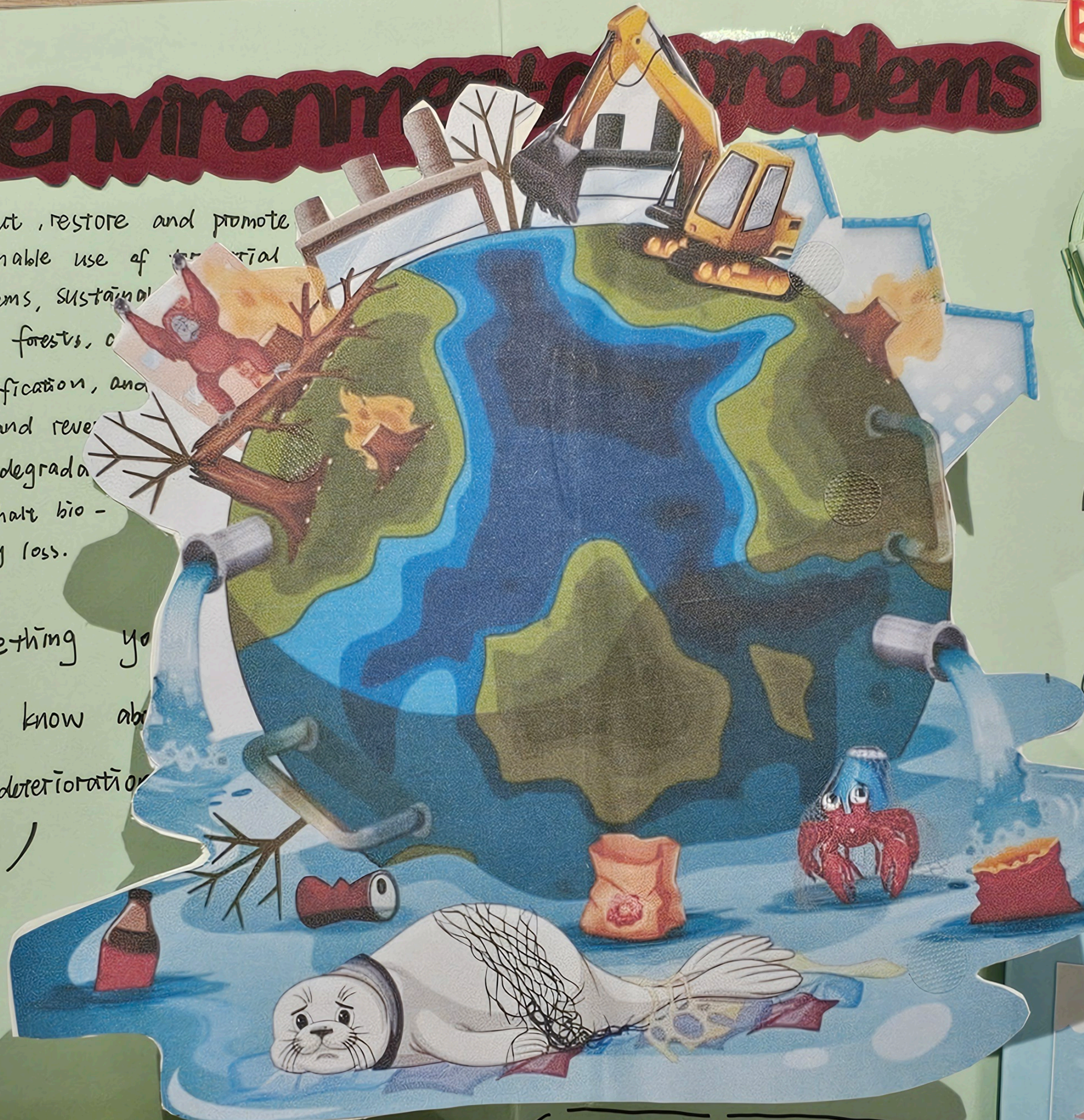


- Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

Something you don't know about land deterioration

land deterioration

Deforestation



Biodiversity reduction

The population sizes of mammals, fish, birds, reptiles and amphibians have experienced a decline of an average of 80% between 1970 and 2016.

Astonishing

Data! You might never know in your lifetime

Do you know how many countries are involved in illegal trade??

Resource Scarcity



Do you know?
 • Fish populations essential for food and jobs have ~~erased~~ crashed by 50% in the last 4 decades.

The Timeline

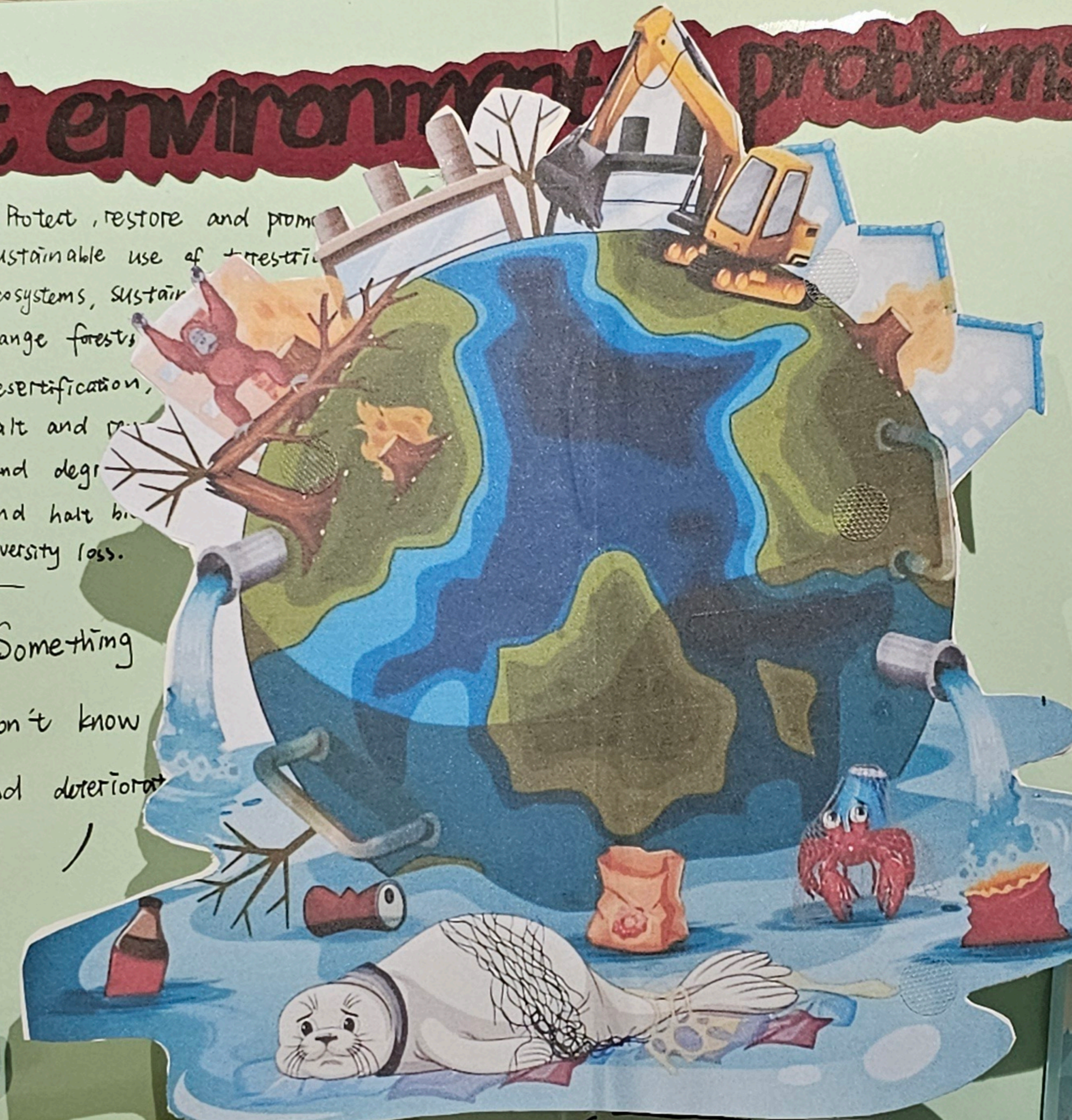
- For one area and of + land
- ch hel yec abo tre
- For nearly CO2 ever equi 10%



Current environmental problems



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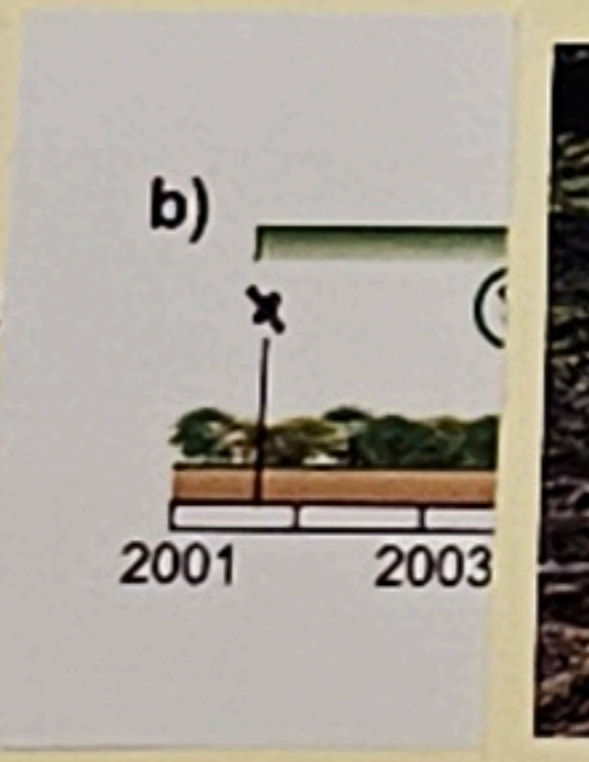
Something don't know land deterioration

• At present, about 600 square kilometers of land in the world fall into desertification every year, and the loss of agricultural productivity will be as high as \$42 billion.

• Currently, an estimated 2 billion people live on drylands vulnerable to this phenomenon and scientists predict that the effects of desertification could lead to the displacement of around 50 million people by 2030.

Deforestation

The Pull Timeline



• For one area and of + land



• Forest is nearly 5 billion CO2 into the every year, equivalent to 10% of annual



Do you know?
• Fish populations essential for food and jobs have crashed by 50% in the last 4 decades.

Biodiversity reduction

120 countries engage in illegal trade.

Of the 2,200 known animal species, 8% are extinct, and 22% are on the verge of extinction.

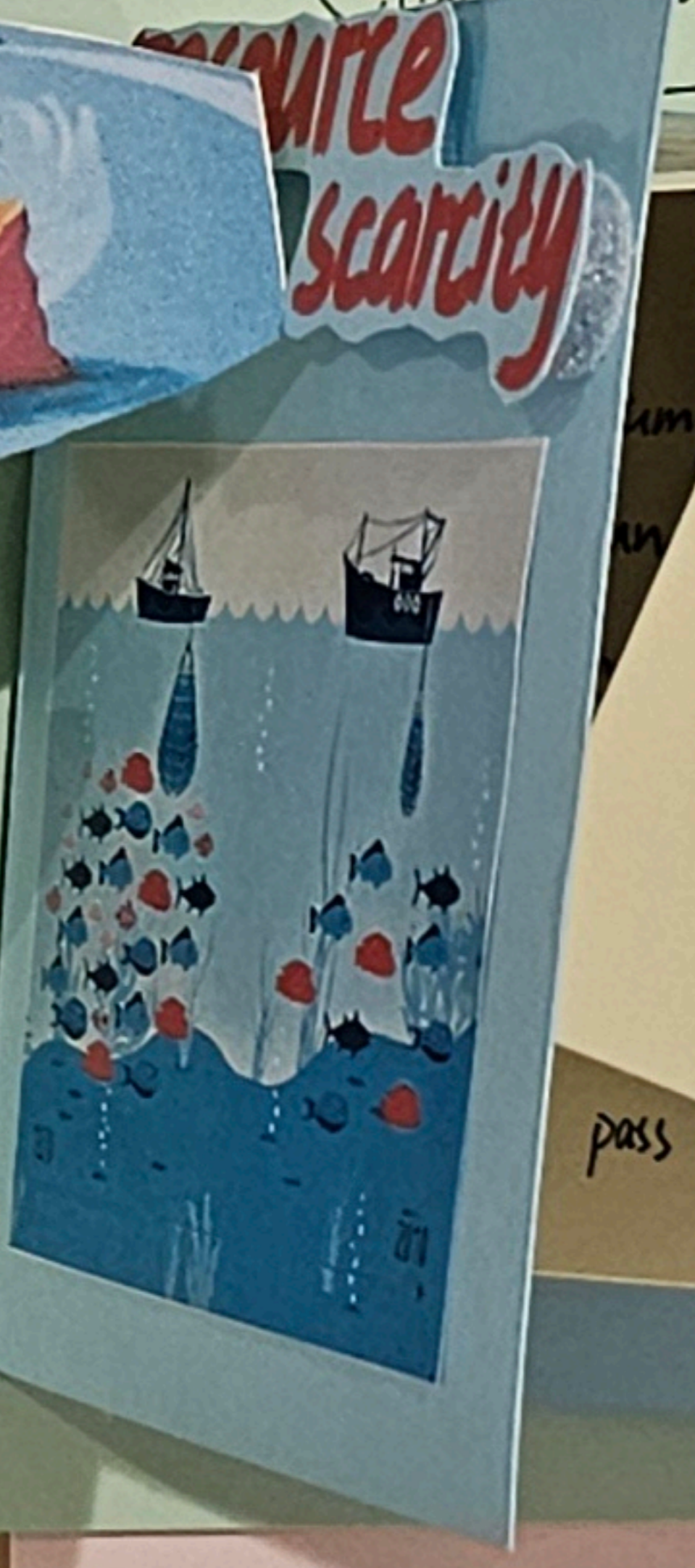
Over 50% of global GDP is depend on nature.

More than 1 billion people rely on forests for their livelihoods.

Astonishing Data!

You might never know in your lifetime,

Do you know how many countries are involved in illegal trade??



Global material extraction continues to increase worldwide. The amount is expected to double between 2015 and 2060 and reach 170 billion tons. pass ecological



WHY PROTECT BIODIVERSITY?



Environmental

- Each species has a unique role to play in maintaining the balance of nature. Additionally, different plant species provide essential services.
- Biodiversity is the basis of the climate regulation services provided by nature. Natural ecosystems play a crucial role in the change mitigation by both storing large amounts of carbon in vegetation and soils, and sequestering carbon dioxide from the atmosphere.

Economic

- The BCG is the economic value imparted by biodiversity (in the form of water and air filtration, carbon storage and food provisioning) totals over an annual \$150 trillion — more than double the world's GDP.

- The TEEB Initiative estimates that global sustainable business opportunities from investing in natural resources could be worth \$2 to 6 trillion by 2050.

Social

- Biodiversity underpins global nutrition and food security. Millions of people work together to provide a large array of fruits, vegetables and animal products essential to a healthy, balanced diet.
- Humans derive about \$125 trillion of value from natural ecosystems each year, globally. Three out of four jobs are dependent on water while the agricultural sector employs over 60% of the world's working poor.
- Scientists estimate that over one-third of global crops rely on animal pollinators (including thousands of species of bees, butterflies, moths, and some small mammals).



Topic: ecosystem

Invasive Species

will be the threat to the Grassland ...

Overgrazing

Farming

Climate

Carbon storage
California's grasslands and store more carbon than forest
Because they are less vulnerable to wildfires and droughts.

Grassland can...
Economic value
Grassland is an important agriculture and animal husbandry land, providing human beings with meat, dairy products and other resources.



Grassland account for 20% to 40% of the world's land area. Research shows that only a small part (10%) of the world's grassland are protected.

open →

Protecting Forests can...

Productivity

Nutrient Cycling

These make up the Forest

Decomposition

Energy Flow



Topic: ecosystems

Invasive Species

Will be the threat to

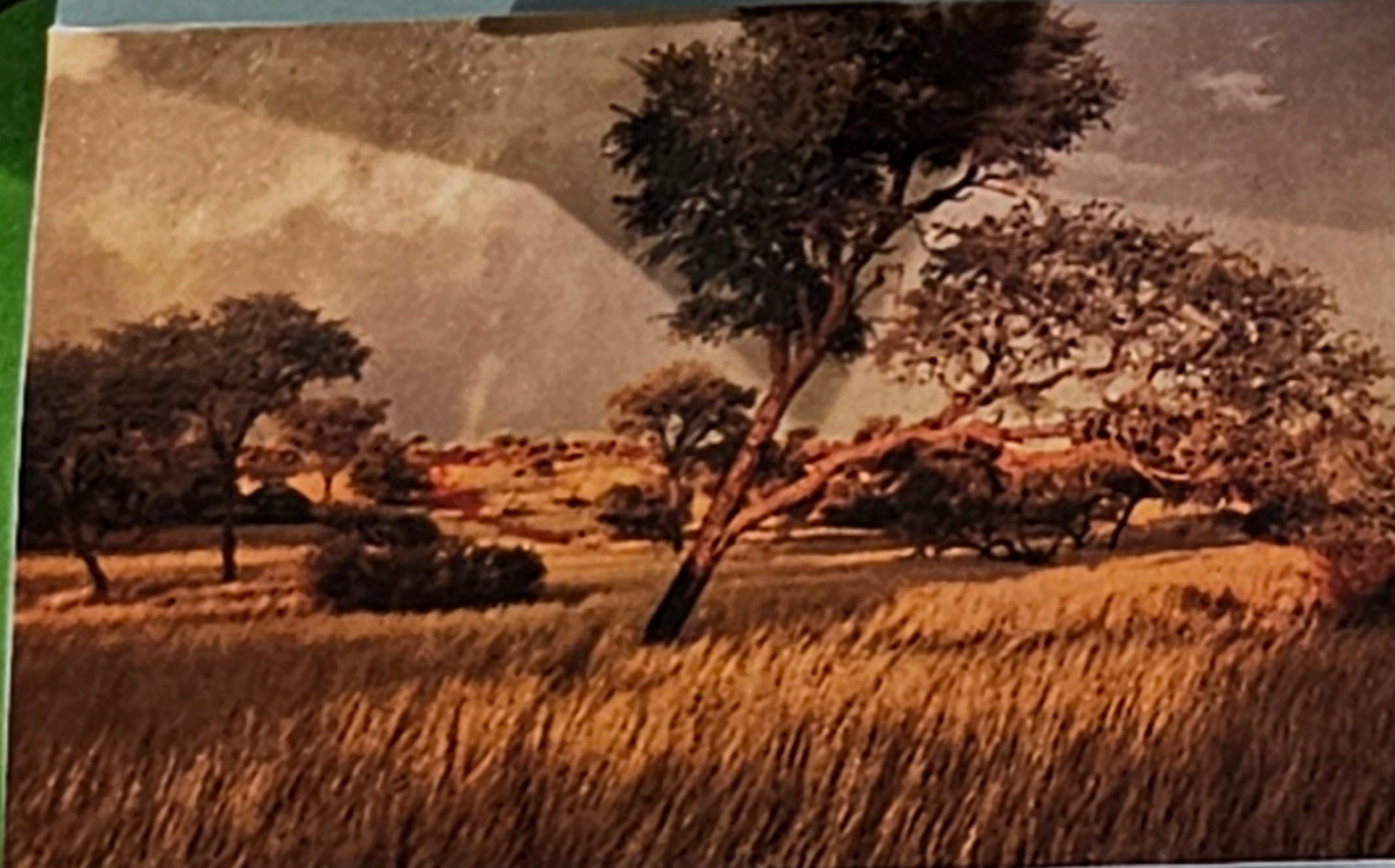
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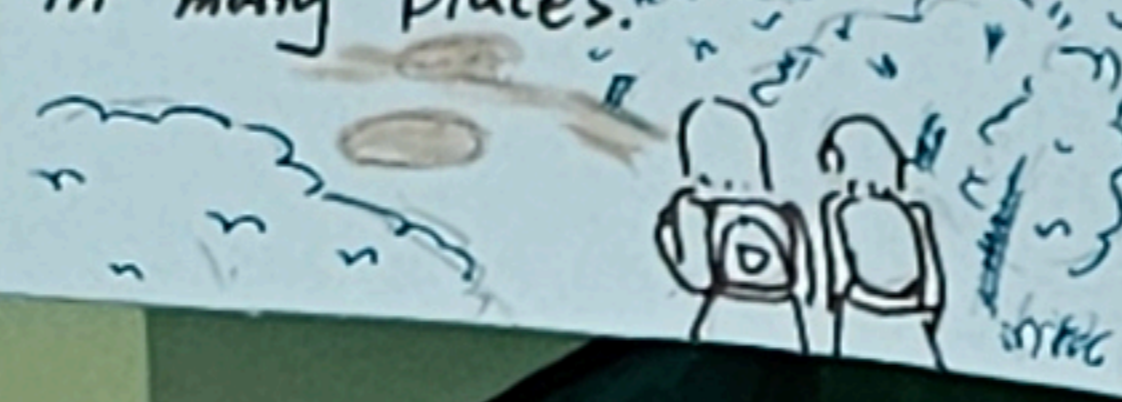
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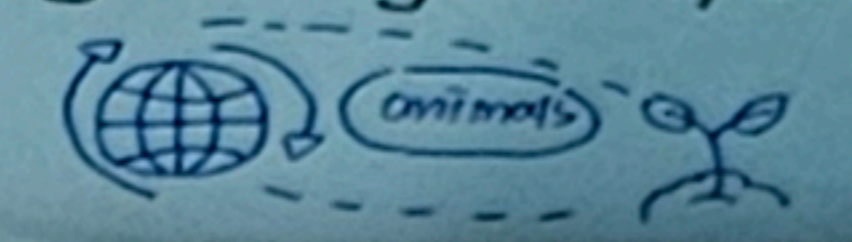
Economic value
Forests provide natural resources including wood, medicinal herbs, etc. In addition forest tourism and ecotourism are important economic sources in many places.



Climate regulation
Forest can absorb carbon dioxide and help mitigate climate change. Photosynthesis is carried out to release oxygen.

Water protection
Absorb rainwater through trees and soil, reduce surface runoff and increase groundwater recharge so as to maintain the health and stability of the water cycle.

Biodiversity
Forests provide habitat for countless animals and plants, including many endangered species.



Health and well-being
Forests are beneficial to improving air quality, reducing noise pollution, and providing places for leisure and relaxation.

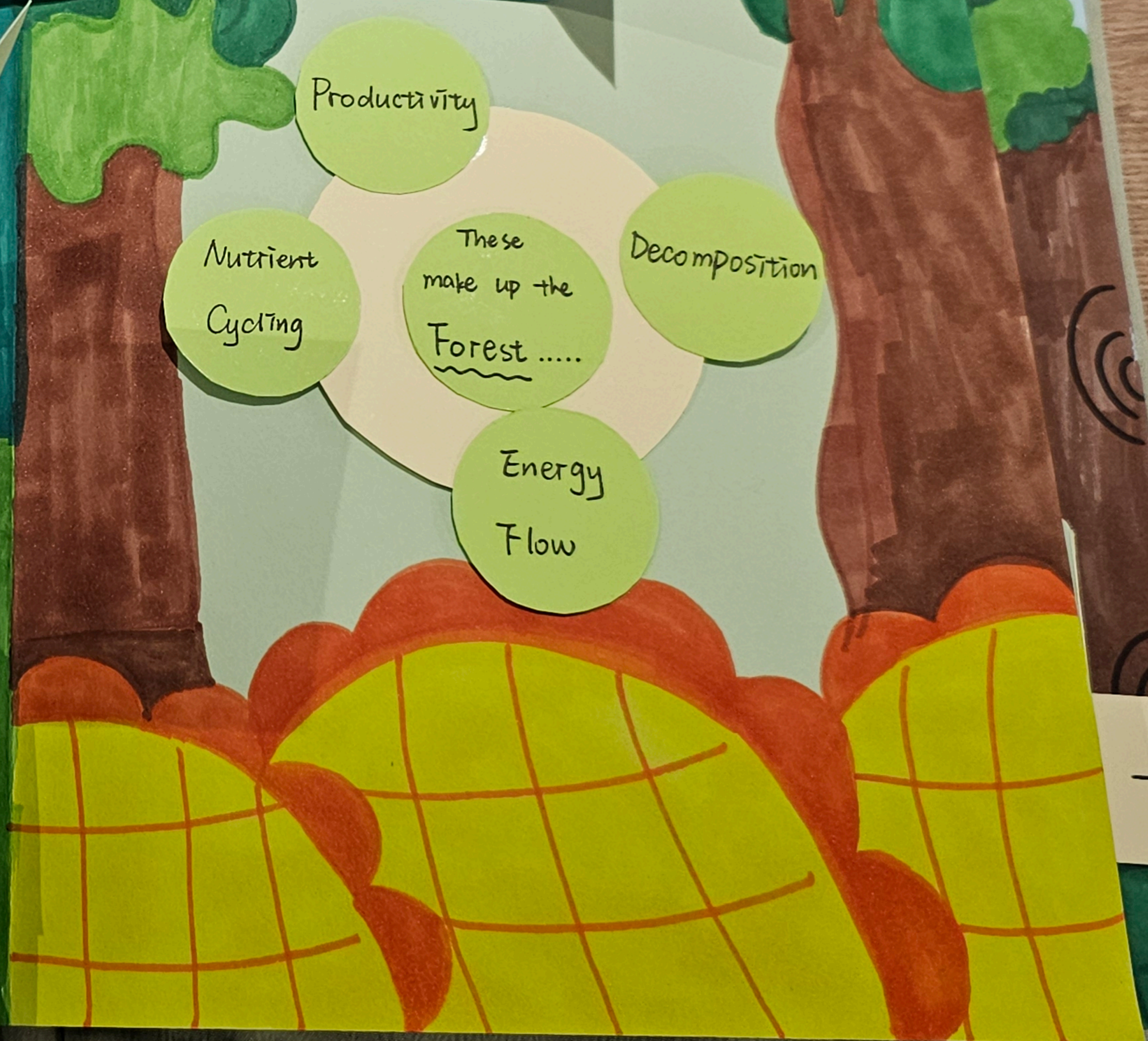
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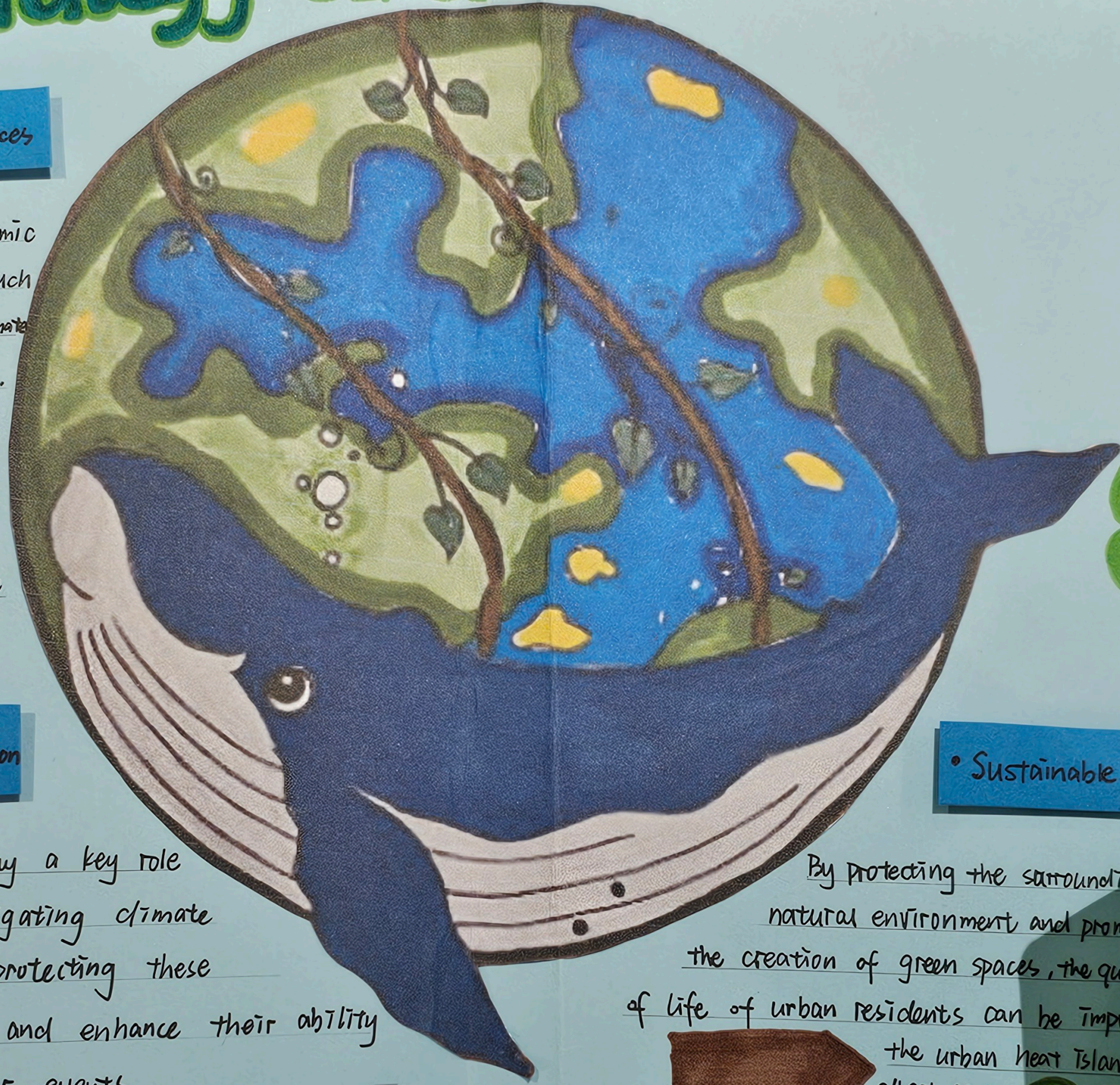
National Strategy and Sustainable Development

Economic growth and ecosystem services

Ecosystem services are the basis of economic activities and provide necessary resources, such as clean water sources, fertile land and climate regulation, which are essential for agriculture, forestry, tourism and other industries. National strategies can promote the health and diversity of ecosystem, thus supporting economic growth and sustainable development.

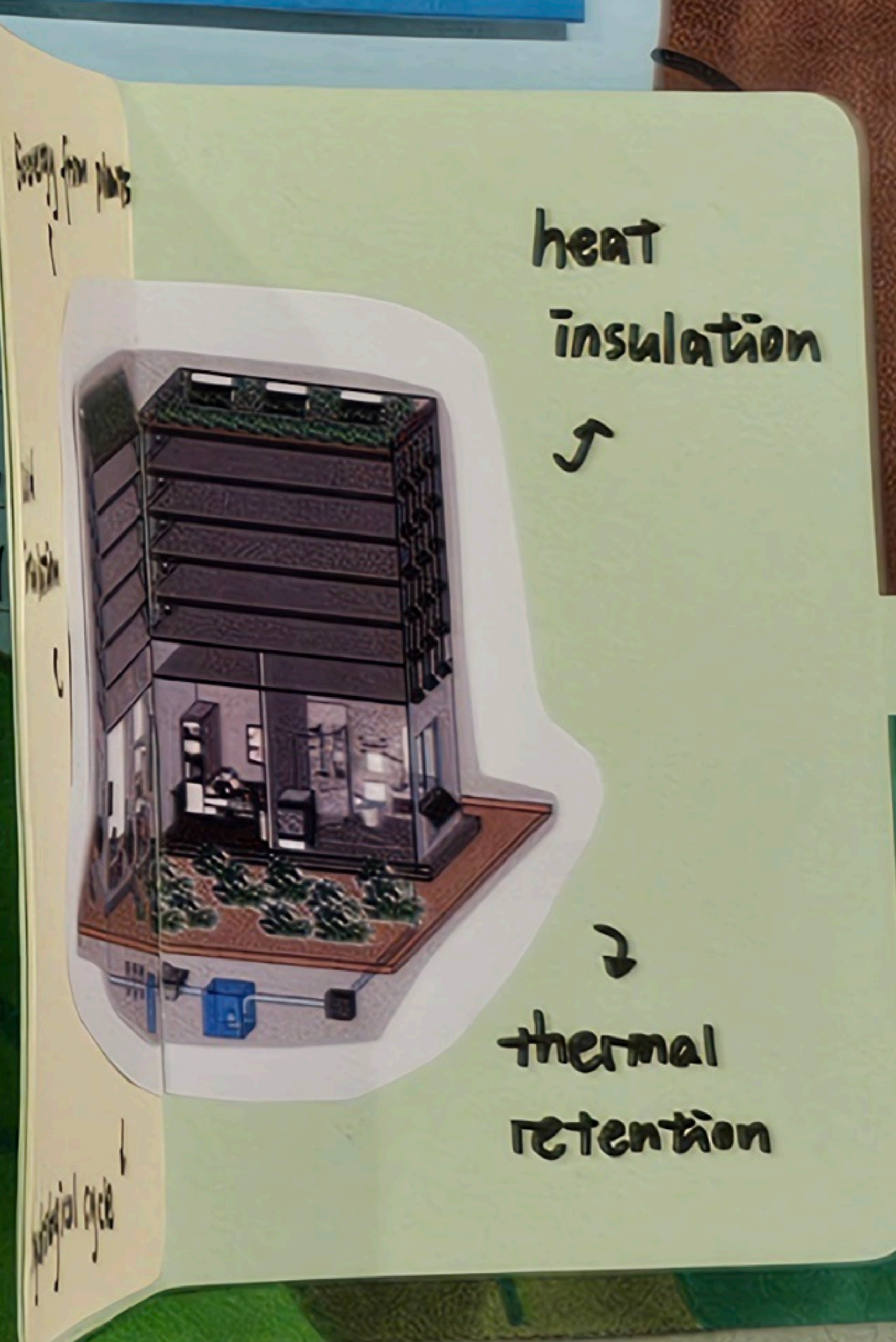
Climate change mitigation and adaptation

Forest and other terrestrial ecosystems play a key role in absorbing greenhouse gases and mitigating climate change. By absorbing, restoring and protecting these ecosystem, can reduce disaster risks and enhance their ability to adapt to extreme weather events.



Sustainable urban development

By protecting the surrounding natural environment and promoting the creation of green spaces, the quality of life of urban residents can be improved. The urban heat island effect can be reduced.



राम-श्री फो माला



Ove