

Science week 2 - Our new context!

Hei mahi:

1. On a fresh new page in your book, write and underline a **big title** at the top: 'Tread Lightly'



Tread lightly

NZ's unique
environment

Water cycle

Habitats,
adaptations, and
Food webs

Pollution

How we can be
more sustainable

Round robin activity - Big questions:

1. What do you like/enjoy about the outside environment?
2. Why is a healthy environment important? Why is it important to take care of it?
3. What are some different types of habitats/environments in NZ? Can you describe them?
4. What special animals and plants are in New Zealand? Can you tell us about them?
5. Have you ever heard of the water cycle? What do you think it might be about?
6. Why is water important for our lives? Why is it important for plants and animals?
7. What do you know about pollution?
8. How can we save electricity and water at home?
9. What can we do with old things instead of throwing them away?



Round robin activity

Write any and all that you can think of for your questions...

- Ideas
- Key words
- Images
- Diagrams





Title page

Use the ideas you have come up with to create a title page in your book for our new context 'Tread lightly'

What to include:


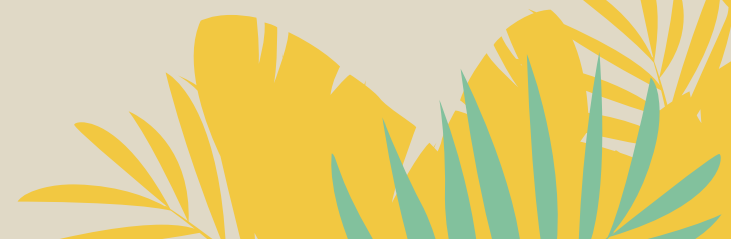

- Draw pictures
 - Key words
- 
- 



Title page



Use the ideas you have come up with to create a title decoration in your book for our new context 'Tread lightly'



Science week 2 - Tread lightly

Hei mahi:

LI: To explore factors of habitats and the animals that live there.

What is a habitat?

An animal habitat is a place that an animal lives in, with a group of important physical factors such as...

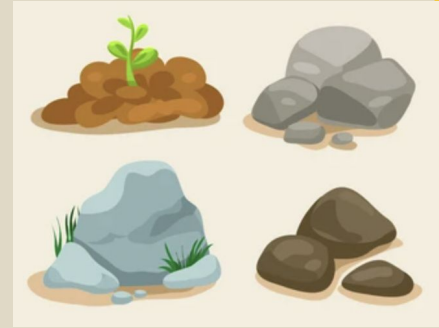
- **climate and weather**
- **amount of sunlight**



What is a habitat?

An animal habitat is a place that an animal lives in, with a group of important physical factors such as...

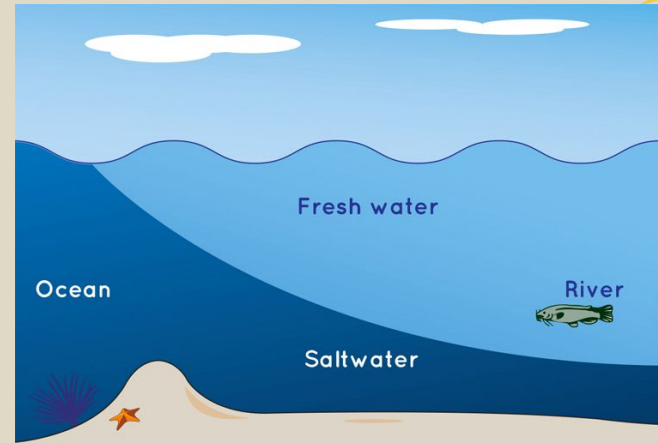
- the type of rocks and soil
- the amount and type of plants present



What is a habitat?



An animal habitat is a place that an animal lives in, with a group of important physical factors such as...

- **the presence and amount of either salt or freshwater**





What is a habitat?





Which word is the... ***ODD ONE OUT?***

- You have 20 seconds to look at the habitats and the words
 - Write the odd word out on your whiteboard
 - Hold up for us to see if you got it correct! 1 point if you did.
- 
- 

Icy

Rocky

Tundra

Snow

Penguins

Low shrubs



Freezing

Underwater

Polar bears

Plants

The sea bed

Movement/
current

Coral



Fish



Caves

Sandy

Rocky

Soil

Savanna

Grasses

Dry

Cold

Mammals

Birds



Few trees

Sunny

Fast-growing Rainforest

Trees

Snakes

Water



Bright forest
floor

Rivers

Birds

Fish Insects **Pond** Water



Plants

Flowing

Frogs

Sunlight



Mountain

Summit

Snow

Windy

Altitude

volcano

Slope



Peak

High

Rocky

Humid

Dunes

hot

Desert

cactus

Sahara

dehydrated

precipitation



Deep ocean

hadal zone

Angler
fish

Jellyfish

Dark

Trees

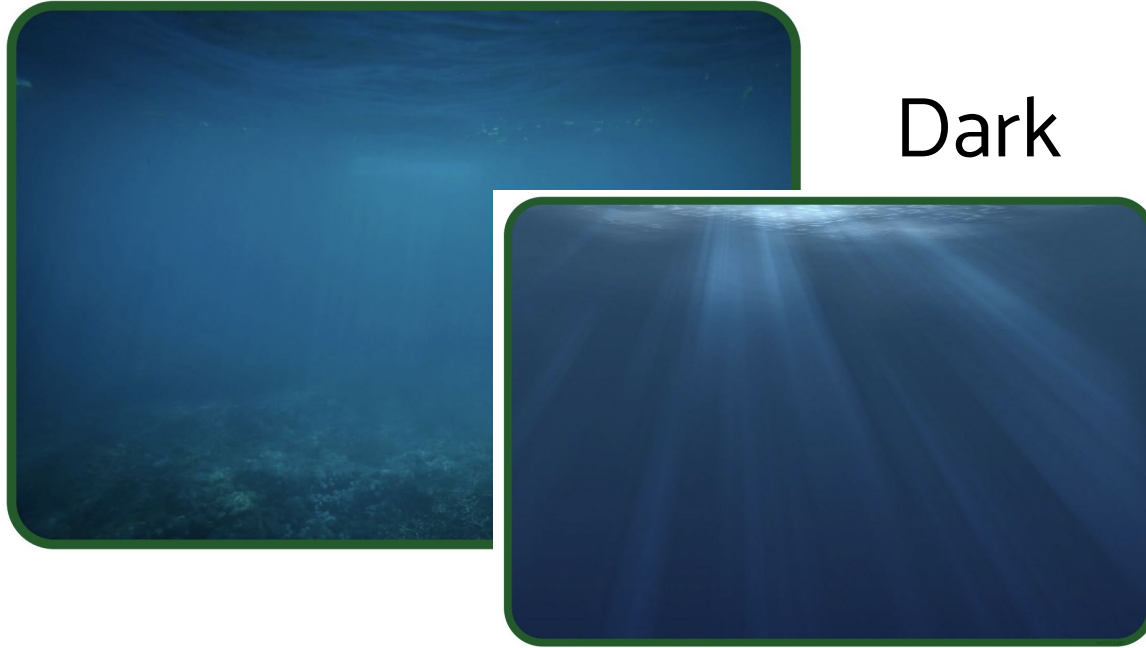
depth

>4000m
deep

Fish

Movement

Cold



Describe the habitat:

A **tundra** habitat has...

It is also....

Animals that live there are....

A **mountain** habitat is...

It also has...

Animals that live there are...

Science week 2 - Tread lightly

Hei mahi:

LI: To discover different unique habitats found around New Zealand

Task:

For each NZ habitat, write down
***why* you think it would be
challenging to survive there**
(Think about the key features from
yesterday's lesson!)



1. Pacific Ocean



2. Southern Alps, NZ



3. Sand dunes (across NZ)



4. Whangamarino wetland



5. Hunua ranges forest



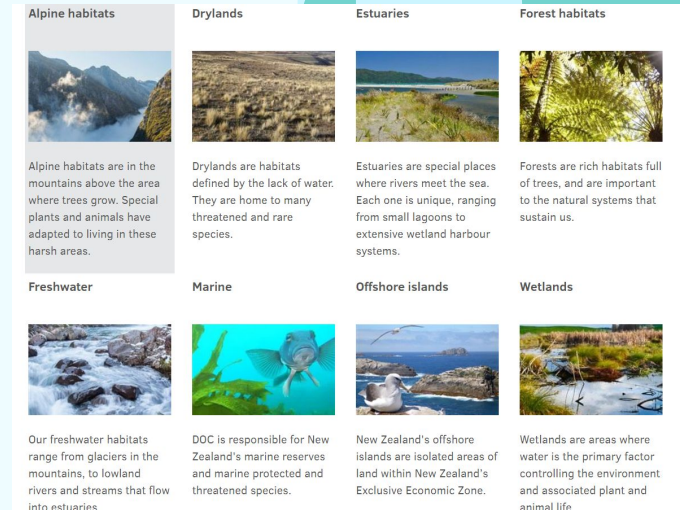
6. Under/in the soil

Task: Habitats in Aotearoa

Go to: <https://www.doc.govt.nz/nature/habitats/>









Choose ONE of the 8 habitats and click the link to explore

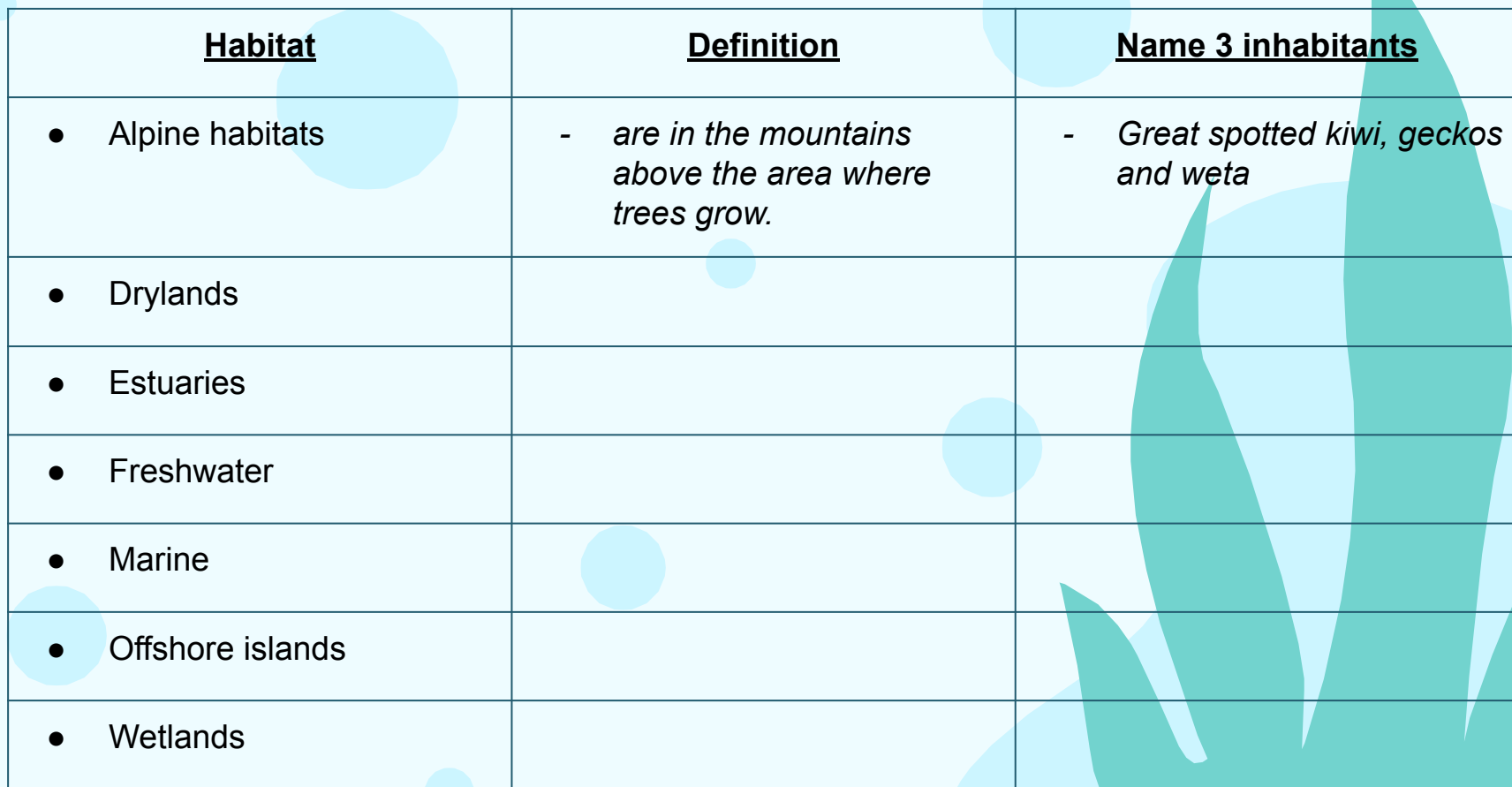
In your book, write down
bullet points about the
Habitat - features, what lives there



Task: Habitats in Aotearoa

Go to: <https://www.doc.govt.nz/nature/habitats/>

Alpine habitats  <p>Alpine habitats are in the mountains above the area where trees grow. Special plants and animals have adapted to living in these harsh areas.</p>	Drylands  <p>Drylands are habitats defined by the lack of water. They are home to many threatened and rare species.</p>	Estuaries  <p>Estuaries are special places where rivers meet the sea. Each one is unique, ranging from small lagoons to extensive wetland harbour systems.</p>	Forest habitats  <p>Forests are rich habitats full of trees, and are important to the natural systems that sustain us.</p>
Freshwater  <p>Our freshwater habitats range from glaciers in the mountains, to lowland rivers and streams that flow into estuaries.</p>	Marine  <p>DOC is responsible for New Zealand's marine reserves and marine protected and threatened species.</p>	Offshore islands  <p>New Zealand's offshore islands are isolated areas of land within New Zealand's Exclusive Economic Zone.</p>	Wetlands  <p>Wetlands are areas where water is the primary factor controlling the environment and associated plant and animal life.</p>



<u>Habitat</u>	<u>Definition</u>	<u>Name 3 inhabitants</u>
<ul style="list-style-type: none"> Alpine habitats 	<ul style="list-style-type: none"> <i>are in the mountains above the area where trees grow.</i> 	<ul style="list-style-type: none"> <i>Great spotted kiwi, geckos and weta</i>
<ul style="list-style-type: none"> Drylands 		
<ul style="list-style-type: none"> Estuaries 		
<ul style="list-style-type: none"> Freshwater 		
<ul style="list-style-type: none"> Marine 		
<ul style="list-style-type: none"> Offshore islands 		
<ul style="list-style-type: none"> Wetlands 		

Science week 2 - Tread lightly

Hei mahi:

LI: To investigate how animals adapt to survive in their environment