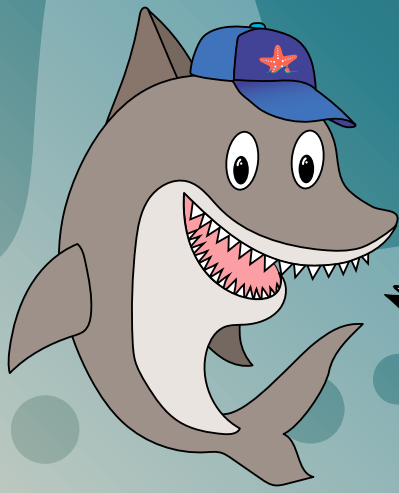




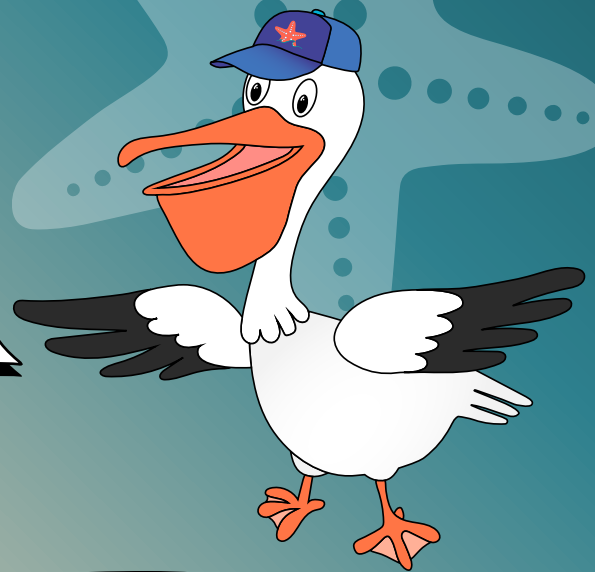
MARINE ESTATE AGENTS ACTIVITY BOOK 2



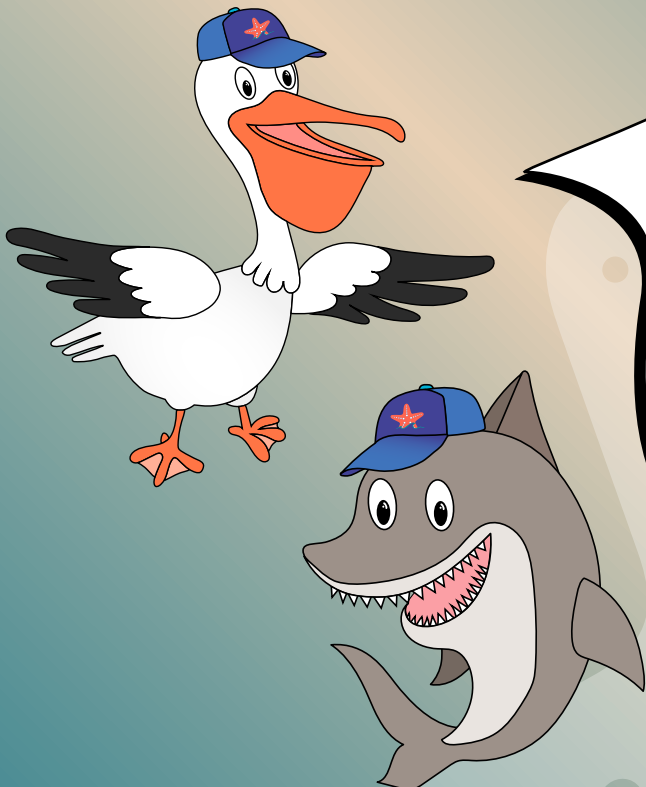


Hi, I'm Jenny
the Grey Nurse Shark.
I'm a Marine Estate Agent.

Hi, I'm Percy the Pelican.
I'm a Marine Estate Agent.

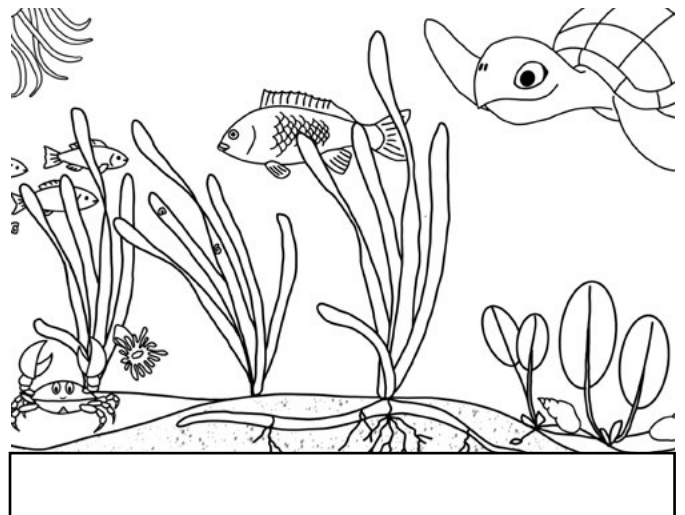
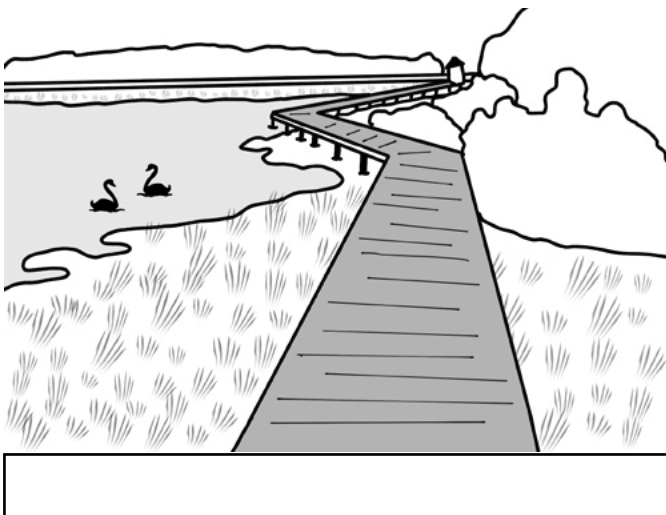
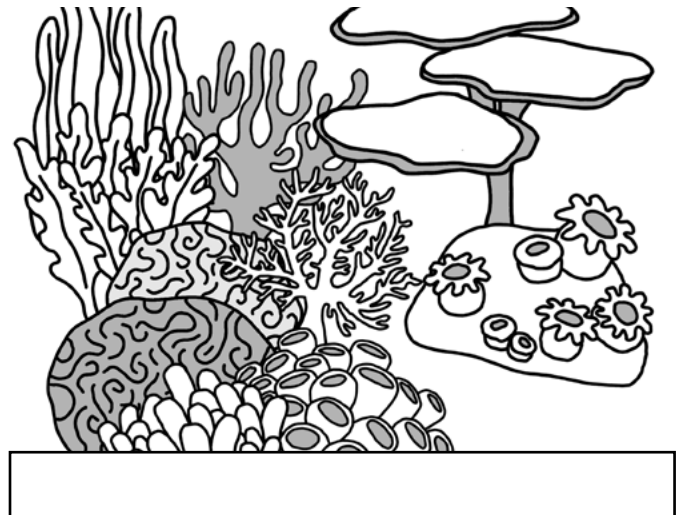
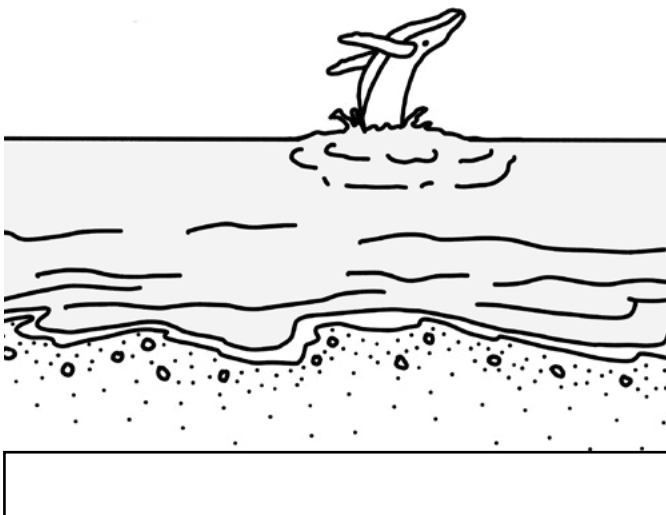
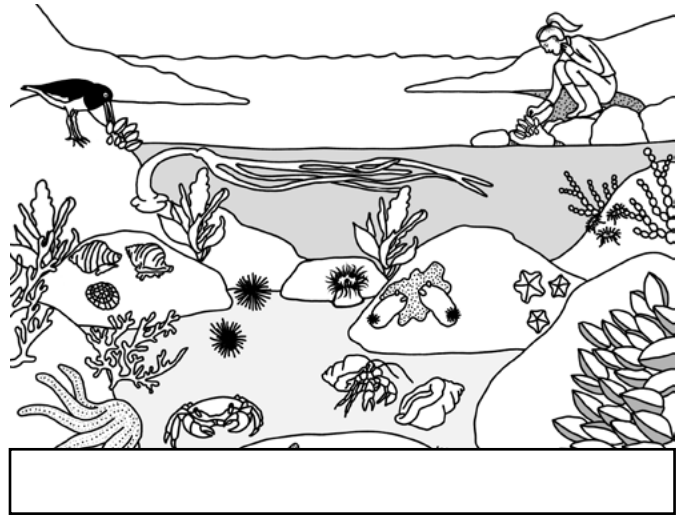
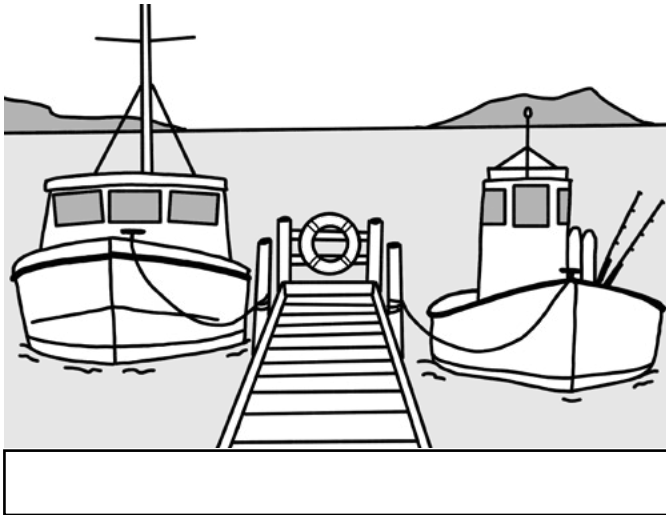


Together, we're going
to help you join us as a
Marine Estate Agent.
Complete the activities
and you're on your way
to Agent status!

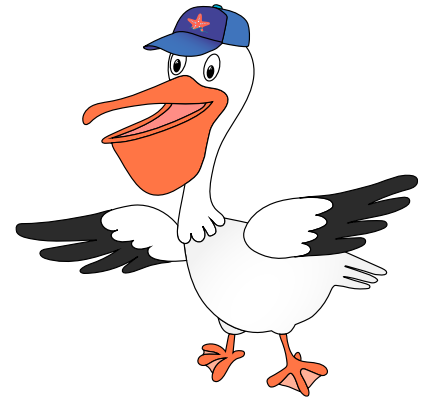


AREAS IN THE MARINE ESTATE

Correctly name these areas in the marine estate and colour them in.



AT THE BEACH



Help Percy complete this sentence:

When I'm at the beach, I...

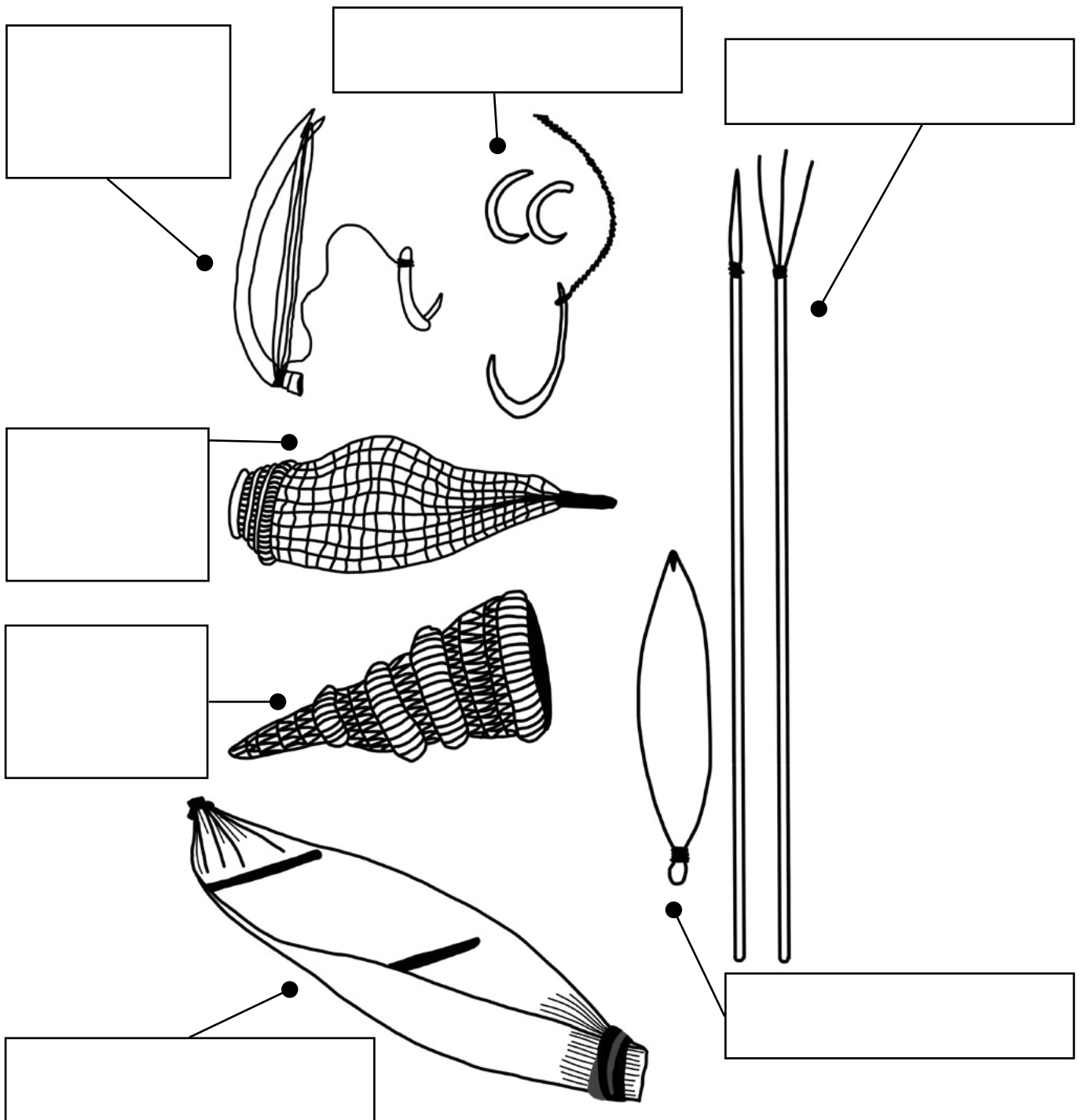
Draw a picture to show Percy what you do when you're at the beach.

A large, empty rounded rectangular box with a black border, intended for the child to draw a picture showing what they do at the beach.

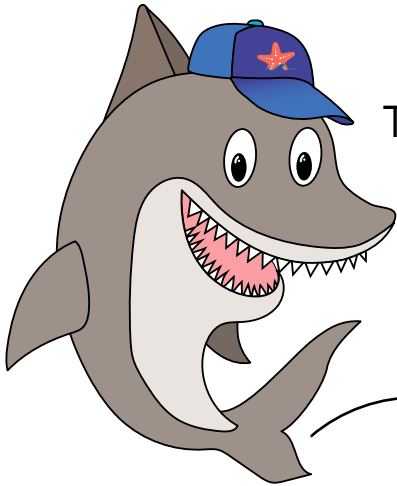
TRADITIONAL FISHING TOOLS

Below is a collection of different traditional fishing tools used by Aboriginal people. Use the following names to label the tools.

- Bark canoe Spear thrower Shell hooks Lobster pot
Fishing line Spears Fishing net

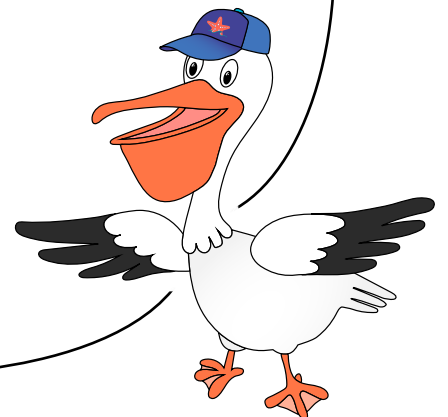


LOOK AFTER THE MARINE ESTATE

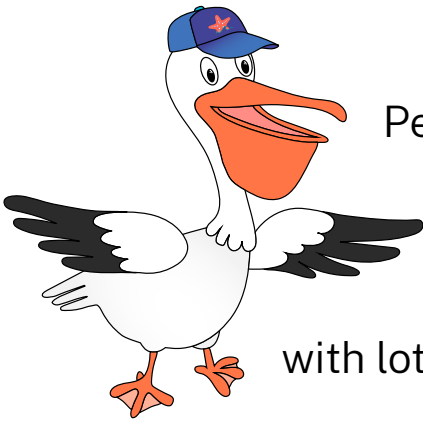


There are many actions that Marine Estate Agents can take to look after the marine estate. Brainstorm and record some of these actions.

**Actions to
look after the
marine estate**

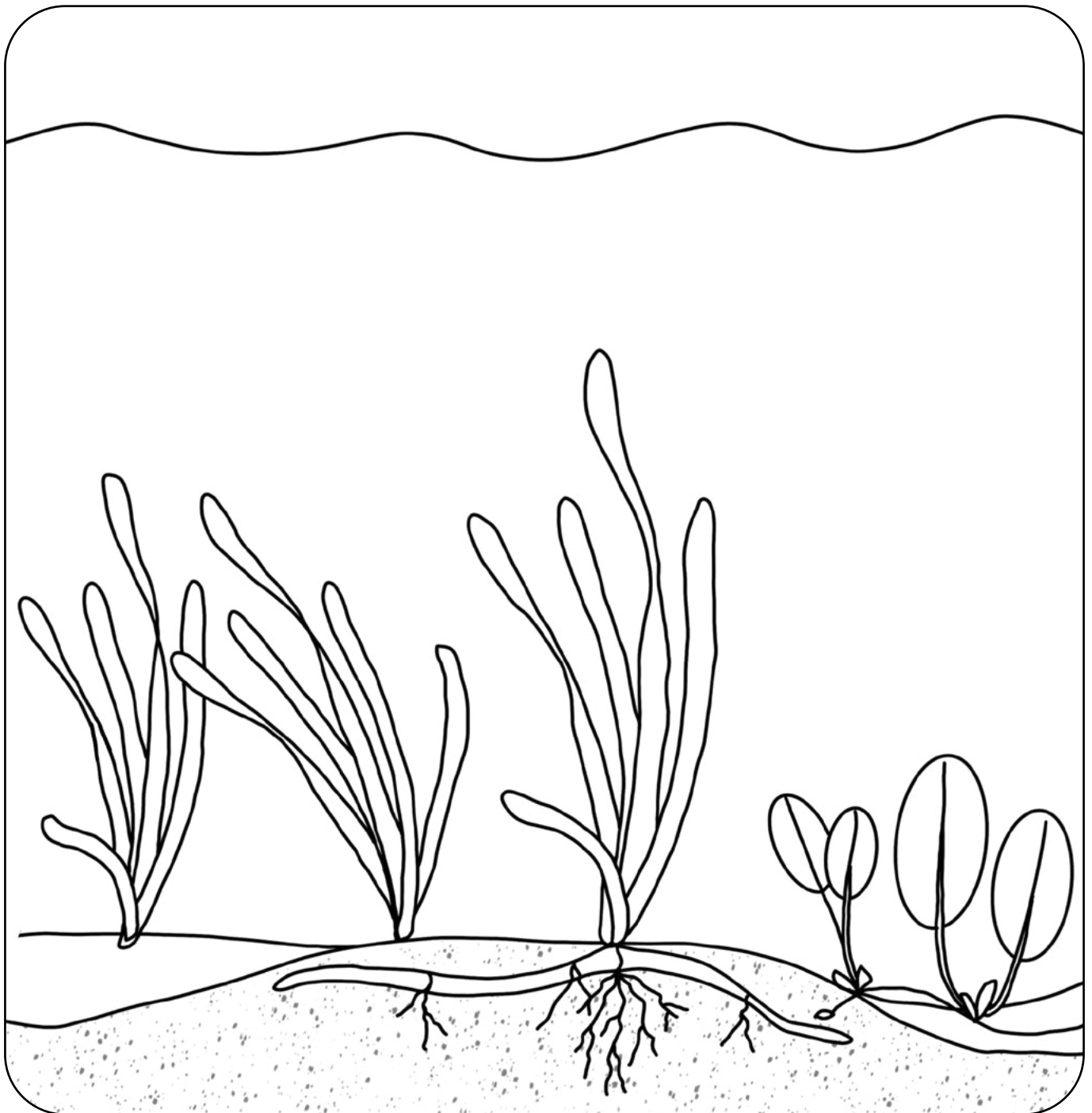


SEAGRASS ECOSYSTEM



Percy loves hanging around seagrass ecosystems. There is always lots of fish for him to eat.

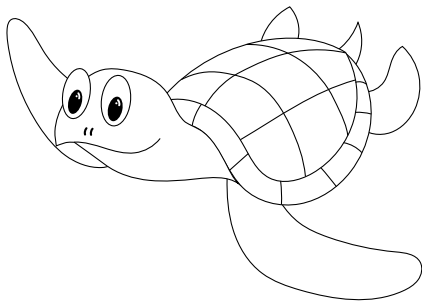
Below is a very empty image of a seagrass ecosystem. Percy needs you to fill this picture with lots of living creatures that might live there.



HELP ME, PLEASE!

A threatening process describes an action that is having a harmful impact on an animal, plant or the environment.

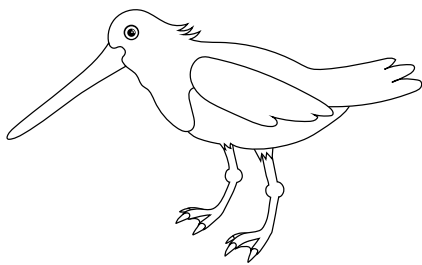
As a Marine Estate Agent, you will need to understand the threatening processes that are impacting a threatened species. Identify **one threatening process** and **one action** that we can take to look after each of these threatened species.



Green sea turtle

Vulnerable

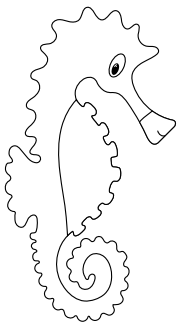
Threatening process:
Action:



Pied oystercatcher

Endangered

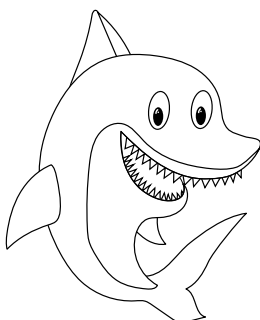
Threatening process:
Action:



White's seahorse

Endangered

Threatening process:
Action:



Grey nurse shark

Critically endangered

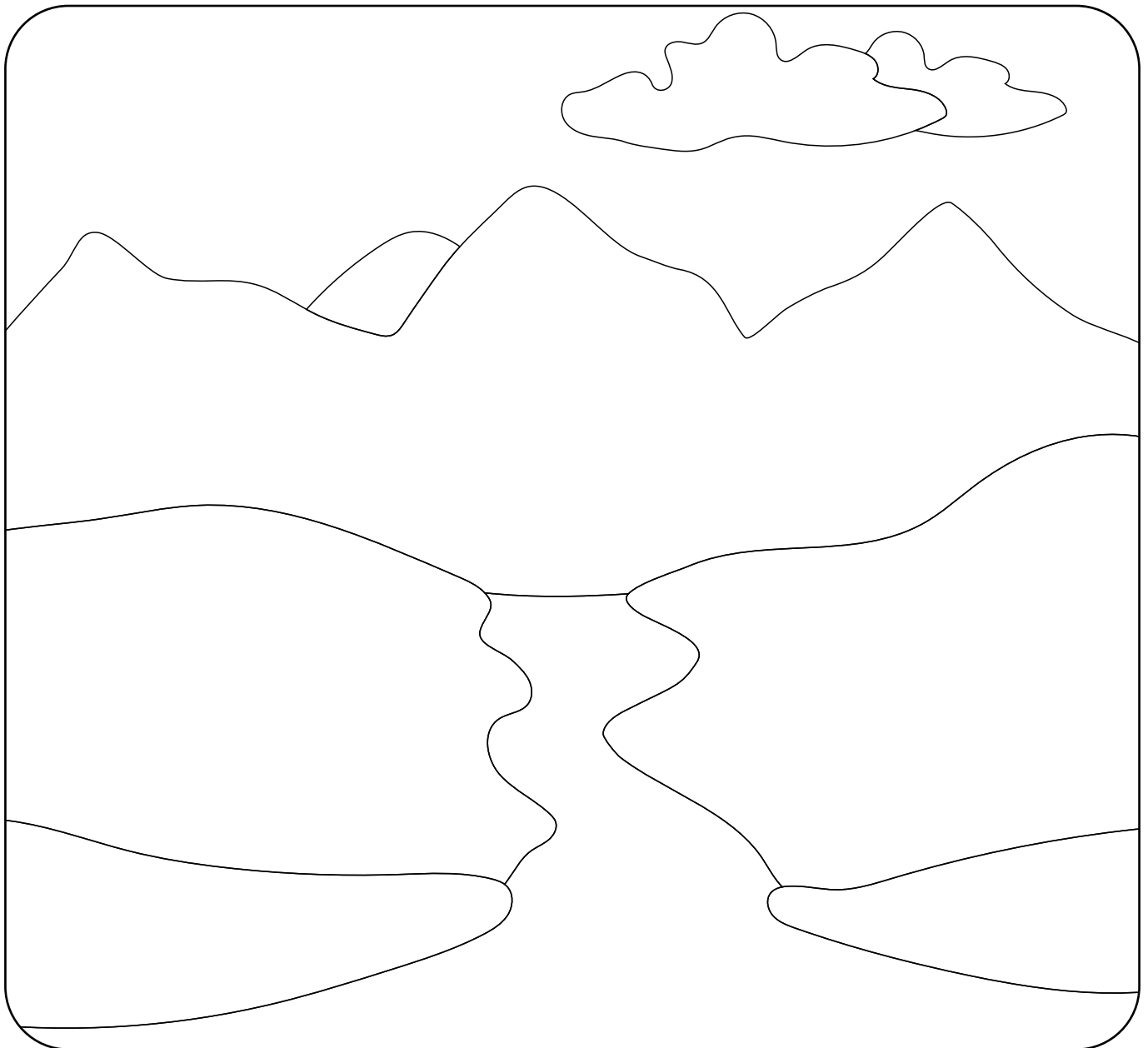
Threatening process:
Action:

WHERE DOES THE WATER FLOW?



“I like to fly all over the marine estate and the catchments along the coast. Here is a typical scene that I see daily but something is missing. I use the rivers to help me find my way along the coast. Can you help me find my way home?”

This catchment is missing the streams and rivers that flow to the ocean. Think about where the mountains and low floodplains are, this will help guide where the streams and rivers have to go.



CLIMATE CHANGE ACTIONS

Understanding what climate change is and how we can help reduce our impact on the environment is important for every Marine Estate Agent.

Watch the video **Kids talking about climate change** youtu.be/4Lck8StPBtk and complete the following.

Fill in the missing words

When we talk about climate change, we mean how the Earth's _____ is getting _____ because of _____ activity.

_____ traps heat in the Earth's atmosphere.

It puts nature out of _____.

If it gets too hot on the planet, the _____ will melt and the _____ will _____.

This means that there could be more _____.

Like _____, _____ and tsunamis.

What can we do to reduce the impacts of climate change?

Write down some actions.

WEATHER CHECK

It is very important to check the weather before going fishing. Strong winds, storms and not knowing the tide can make fishing dangerous. Follow these steps to record the weather at a fishing spot near you.

Step 1: Go to the Bureau of Meteorology website: www.bom.gov.au

Step 2: Click New South Wales on the map.

Step 3: Under Forecasts, click 'District and Marine Forecasts'.

Step 4: Click on a part of the map that suits your area.

Step 5: Fill in the current forecast for that region.

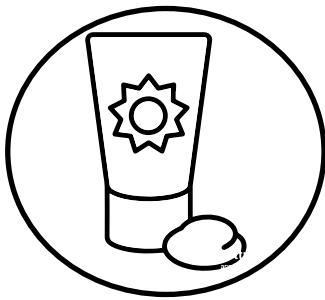
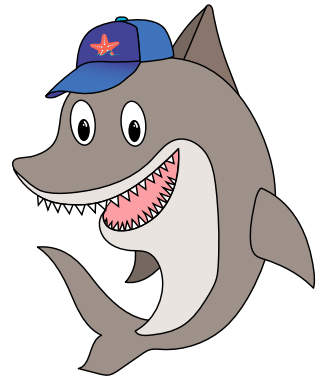
My fishing weather check

Region	<input style="width: 80%;" type="text"/>
Date	<input style="width: 80%;" type="text"/>
Wind	<input style="width: 80%;" type="text"/>
Seas	<input style="width: 80%;" type="text"/>
Swell	<input style="width: 80%;" type="text"/>
Weather	<input style="width: 80%;" type="text"/>

There are apps available that help keep people informed of the weather.
Ask your parents/guardians if they have one on their phone or tablet.

BE SAFE WHEN FISHING

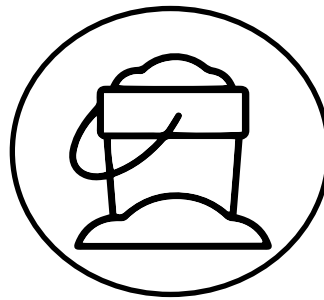
Marine Estate Agents like Jenny are always safe when in or around the water. To make sure you qualify as an Agent, please colour or circle the safety items you would need on a coastal fishing trip.



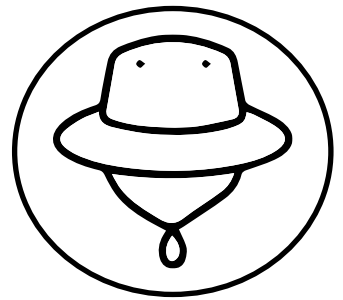
Sunscreen



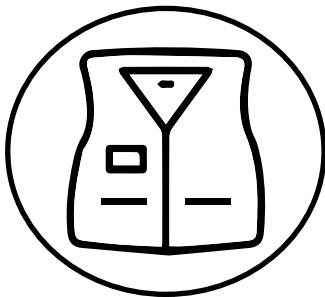
Non-slip shoes



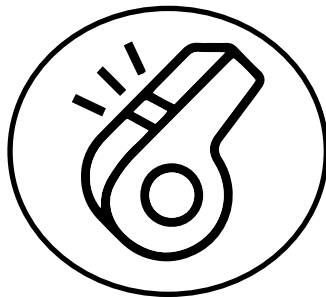
Sand bucket



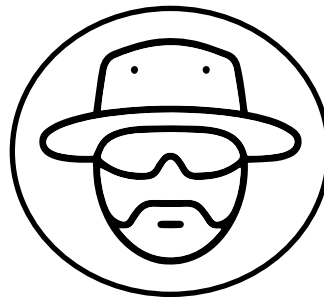
Hat



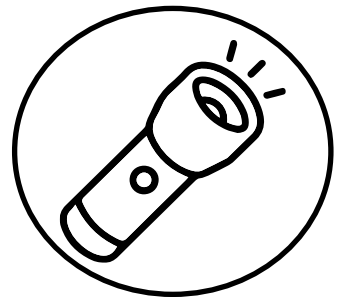
Life jacket



Whistle



Adult



Torch



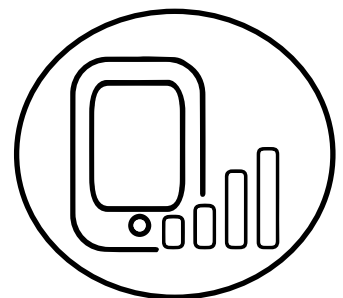
Water bottle



First aid kit



Thongs



Mobile phone

FISH IN THE LIMITS

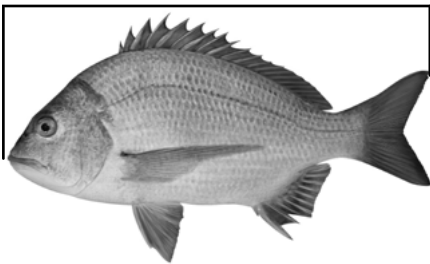


Did you know?

There are minimum and maximum legal size limits for some fish species that are caught. Size limits let fish reach maturity, complete their breeding cycle and contribute to sustainable fish stocks.

How do you measure the size of a legal fish or other marine life?

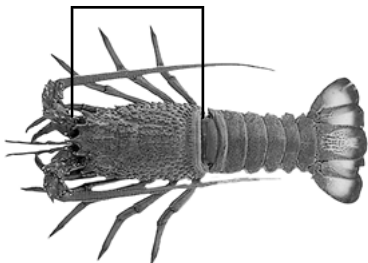
Percy has been out catching his dinner but he needs to correctly measure his catch before he can keep any of it. Match up the marine species with the measuring description.



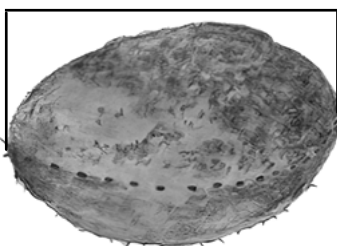
I am measured along a straight line at the widest point of my shell.



Only my head, or carapace shell, is measured. From between my eyes to where the shell ends. My tail is not measured.

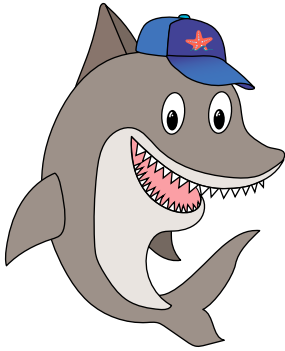


Take my measurement from the snout on the upper jaw to the end of the tail.



You can measure me from the notch between my eyes to the centre of the back of my shell.

KNOW YOUR TERMS



If you know your Marine Estate Agent terms, then you can complete the crossword.

DOWN

1. An occupation site where Australia's Indigenous people left the remains of their meals (6).
2. The long-term change in climate over time (7,6).
3. The name given to a person who tries to catch fish with a rod and line (6).

4. The maximum limit of fish or invertebrates you can catch per day (3,5).
6. The legal minimum or maximum length of a species of fish (4,5).
7. Where the freshwater from a river or creek meets the saltwater of the ocean (7).

ACROSS

5. In NSW this area includes the ocean, estuaries, coastline, offshore islands and coastal wetlands, lakes and lagoons (6,6).
8. Any surface where water falls and drains to an endpoint (9).

1 2 3

4

5 6

7

8

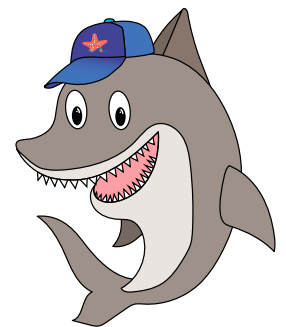
Angler, bag limit, catchment, climate change, estuary, marine estate, midden, size limit.

MARINE ESTATE AGENT PLEDGE

As a Marine Estate Agent, I pledge to help the marine estate by doing the following actions:

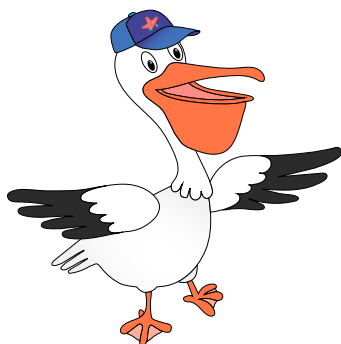


1. I will tell others what is special about the marine estate and what it means to me.
2. I will take care not to move wildlife or rocks when I visit the beach.
3. I will Take 3 for the Sea every time I visit a natural area.
4. I will do as much as I can to protect the marine estate.
5. I will fish responsibly.
6. I will be safe when in a boat.
7. I will learn more about how I can help protect a marine threatened species.
8. I will be mindful that drains lead to the ocean.
9. I will be respectful of Sea Country and the Traditional Owner's cultural practices and heritage.



insert your own action

10. I will ...



YOUR NAME

DATE



THIS IS TO CERTIFY THAT

IS A MARINE ESTATE AGENT.

They have pledged to look after
the NSW marine estate and to
help others look after it too.

