

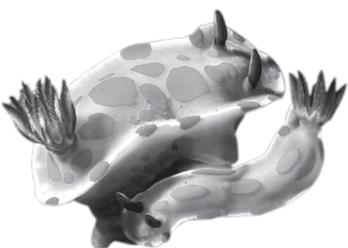
TE IKA O TE TAU 2023

Fish of the Year Activity Book

Name: _____

Experiencing Marine Reserves (EMR) empowers schools and communities by providing hands-on experience in the ocean.

EMR is a programme of the
Mountains to Sea Conservation Trust
www.mountainstosea.org.nz



About FOTY:

Experiencing Marine Reserves' annual **Fish of the Year | Te Ika o Te Tau** competition aims to raise awareness for some of the issues our awesome ika face and teach people about the incredible biodiversity in our freshwater and marine environments.

This competition runs during Seaweek – Kaupapa Moana, New Zealand's annual national week celebrating the sea and extends to the end of March.

Seaweek is an opportunity for all ages to discover the many ways that our lives are connected to the sea. In March every year, Seaweek encourage and promote events and community action projects to inspire and enable this connection, through:

- Activities and presentations within schools
- Community beach clean-ups
- Kayaking and snorkelling experiences
- Marine ecosystem field trips and engagements with citizen science.

Seaweek is coordinated nationally by Sir Peter Blake Marine Education and Recreation Centre (MERC) and is made possible through the work of a large network of volunteers with support from a wide range of individuals, groups, businesses and organisations.

Are you ready to discover some of Aotearoa's favourite ika? Check out EMR's annual Fish of the Year competition, meet the ocean voyagers, the camouflaguers, the freshwater migrants and more!

**Voting opens Saturday 4th March 2023 and
closes Friday 31st March 2023!**

Check out emr.org.nz/fish to meet this year's contenders!





Word Search



See if you can find all of the fishes in Fish of the Year!

Find and circle the names of the fish!

F	G	T	U	W	L	R	G	L	N	A	V	U	I	Z	B	K	I	N	G	F	I	S	H	A	T	B
L	W	W	B	I	O	F	Q	Y	S	T	A	R	G	A	Z	E	R	Q	S	J	V	X	P	M	I	L
W	K	O	Q	L	N	Y	T	B	L	U	E	M	A	O	M	A	O	I	N	V	S	C	B	O	F	U
D	W	S	S	B	G	D	N	P	I	G	F	I	S	H	I	T	C	U	S	C	C	G	R	R	Q	E
E	S	P	I	Y	F	P	P	D	F	D	L	T	S	V	O	O	G	S	Z	O	O	O	A	A	C	C
I	C	O	N	S	I	W	P	J	L	B	G	N	M	Q	B	R	R	H	Q	M	R	A	J	Y	R	O
N	H	T	A	A	N	B	U	T	T	E	R	F	I	S	H	R	E	I	L	M	P	T	O	E	E	D
S	O	D	A	N	E	J	N	O	R	D	E	M	Y	V	B	E	D	W	A	O	I	F	H	E	S	F
O	O	E	L	D	E	R	I	G	N	J	A	I	Q	V	I	N	M	I	M	N	O	I	N	L	T	H
C	L	M	E	A	L	B	H	Z	F	U	T	L	O	I	Y	T	O	H	P	B	N	S	D	X	E	B
E	S	O	A	G	S	I	I	T	C	K	W	B	R	M	Q	F	K	I	R	U	F	H	O	N	D	L
A	H	I	T	E	Y	H	J	E	D	G	H	R	X	H	A	I	I	W	E	L	I	Q	R	H	W	A
N	A	S	H	R	P	O	R	C	U	P	I	N	E	F	I	S	H	I	Y	L	S	Z	Y	P	E	C
I	R	E	E	S	N	A	P	P	E	R	T	K	E	B	F	H	U	K	X	Y	H	D	T	F	E	K
C	K	L	R	W	W	B	B	L	U	E	E	Y	E	D	T	R	I	P	L	E	F	I	N	E	D	A
M	U	L	J	R	N	U	I	V	J	N	S	S	O	S	V	D	V	K	S	B	G	Q	D	I	F	N
A	I	E	A	A	W	T	S	K	J	X	H	A	P	H	P	Z	E	D	Q	J	R	Z	A	J	I	G
N	N	L	C	S	M	F	P	O	C	J	A	X	A	M	T	R	E	V	A	L	L	Y	L	K	S	E
T	A	I	K	S	W	E	O	K	U	J	R	Z	Q	C	H	A	P	U	K	A	Z	D	N	I	H	L
A	N	I	E	E	A	F	T	O	Q	P	K	L	R	H	S	E	A	H	O	R	S	E	O	D	G	F
R	G	D	T	O	M	S	T	P	Y	P	D	B	A	S	K	I	N	G	S	H	A	R	K	R	E	I
A	A	J	H	I	E	Q	Y	U	J	K	R	E	D	F	I	N	B	U	L	L	Y	D	B	Q	R	S
Y	L	F	O	I	U	R	H	T	R	S	F	L	O	U	N	D	E	R	D	N	F	L	W	T	Z	H

Basking shark

Common bully

Hiwihiwi

Leatherjacket

Red moki

Snapper

Black angelfish

Crested
weedfish

Īnanga

Longfin eels

Redfin bully

Spotty

Blue cod

Flounder

John dory

Moray Eel

Sandager's
wrasse

Stargazer

Blue maomao

Goatfish

Kingfish

Oceanic
manta ray

School shark

Torrentfish

Blue-eyed
triplefin

Great white
shark

Kōkopu

Pigfish

Scorpion fish

Trevally

Butterfish

Hāpuka

Lamprey

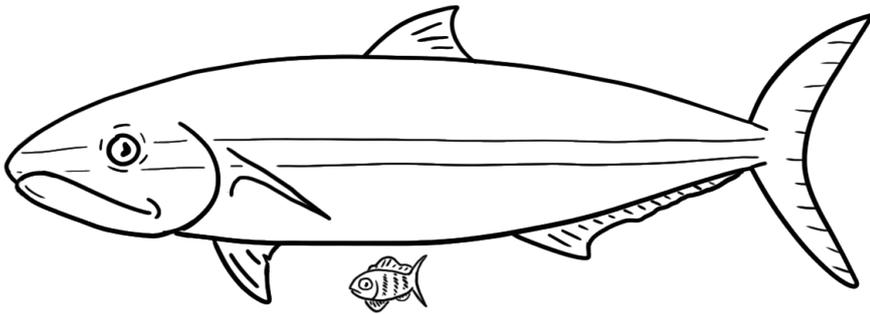
Porcupine fish

Seahorse

Two-spot
demoiselle

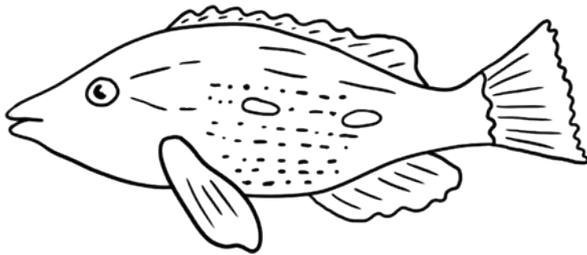
Unscramble!

Can you unscramble the names of these fishes?



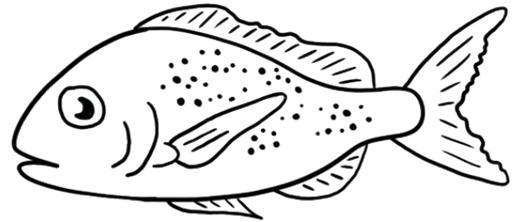
KSIGIHNF

--- G ---



PIHGFSI

--- F ---



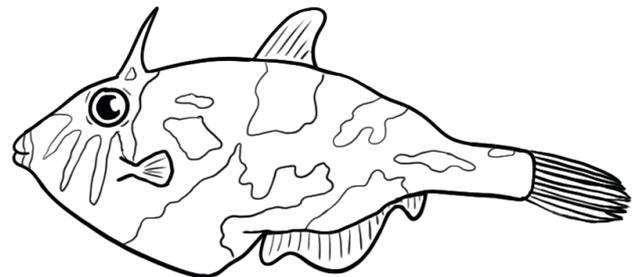
SENAPPR

--- P ---



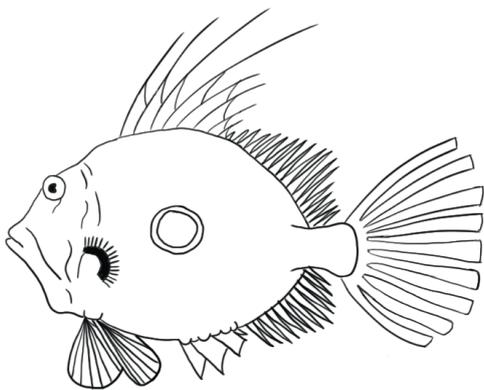
WHEESDIF

_ E _ _ I _ _



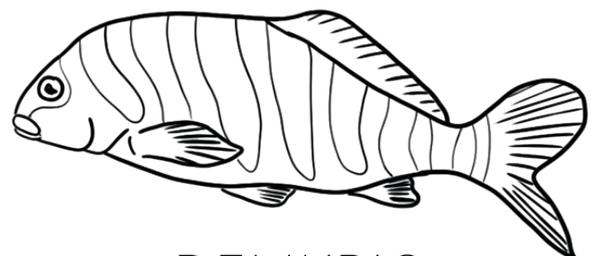
LATEREHTJECKA

_ _ A _ _ R _ _ K _ _



DRJOHYNO

_ O _ _ _ O _ _



DEMKRIO

_ E _ _ _ K _

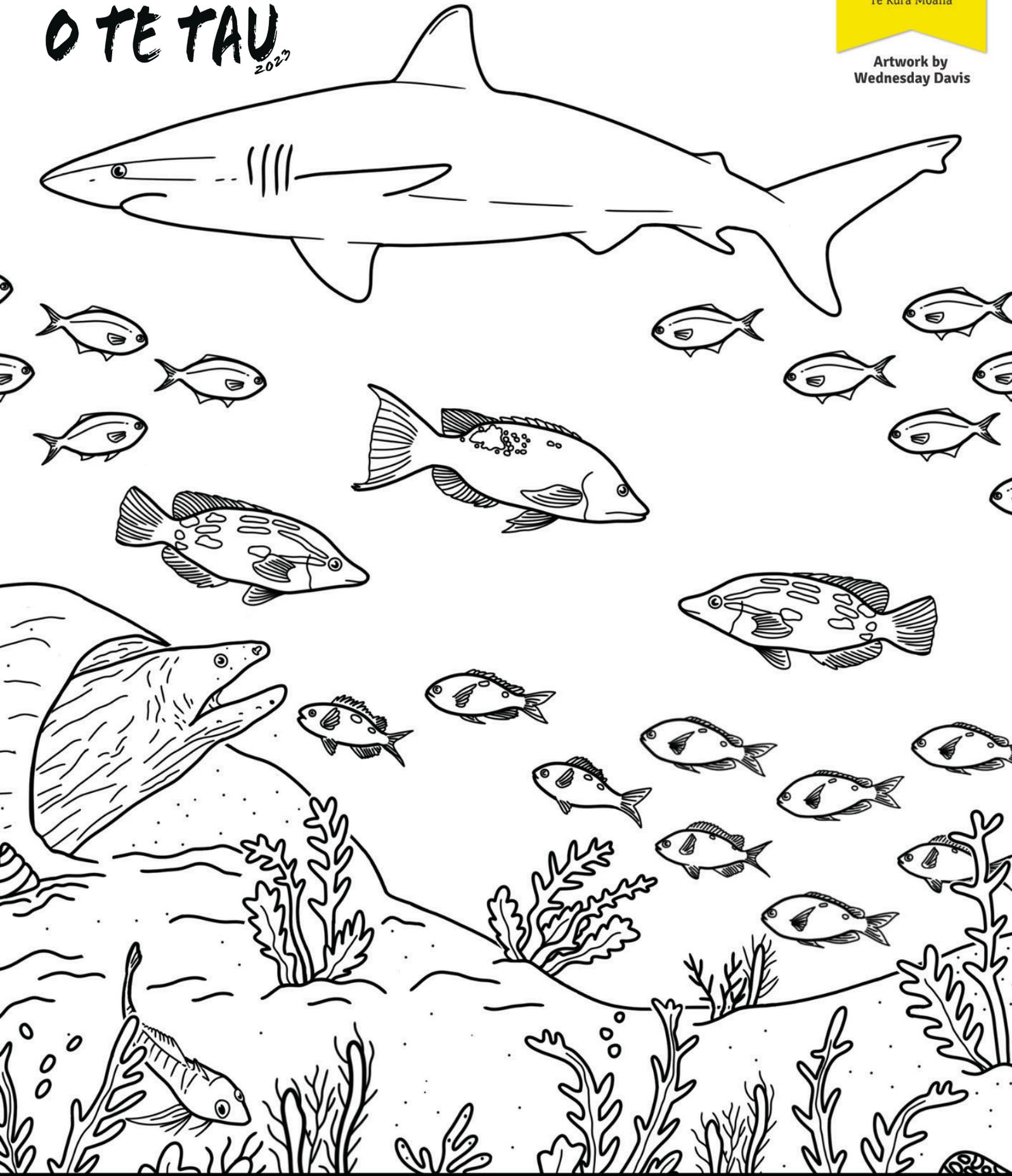
TE IKA O TE TAU

2023


Experiencing
Marine Reserves

Te Kura Moana

Artwork by
Wednesday Davis



#TelkaOTeTau2023 | Vote for your favourite fish at www.emr.org.nz/fish

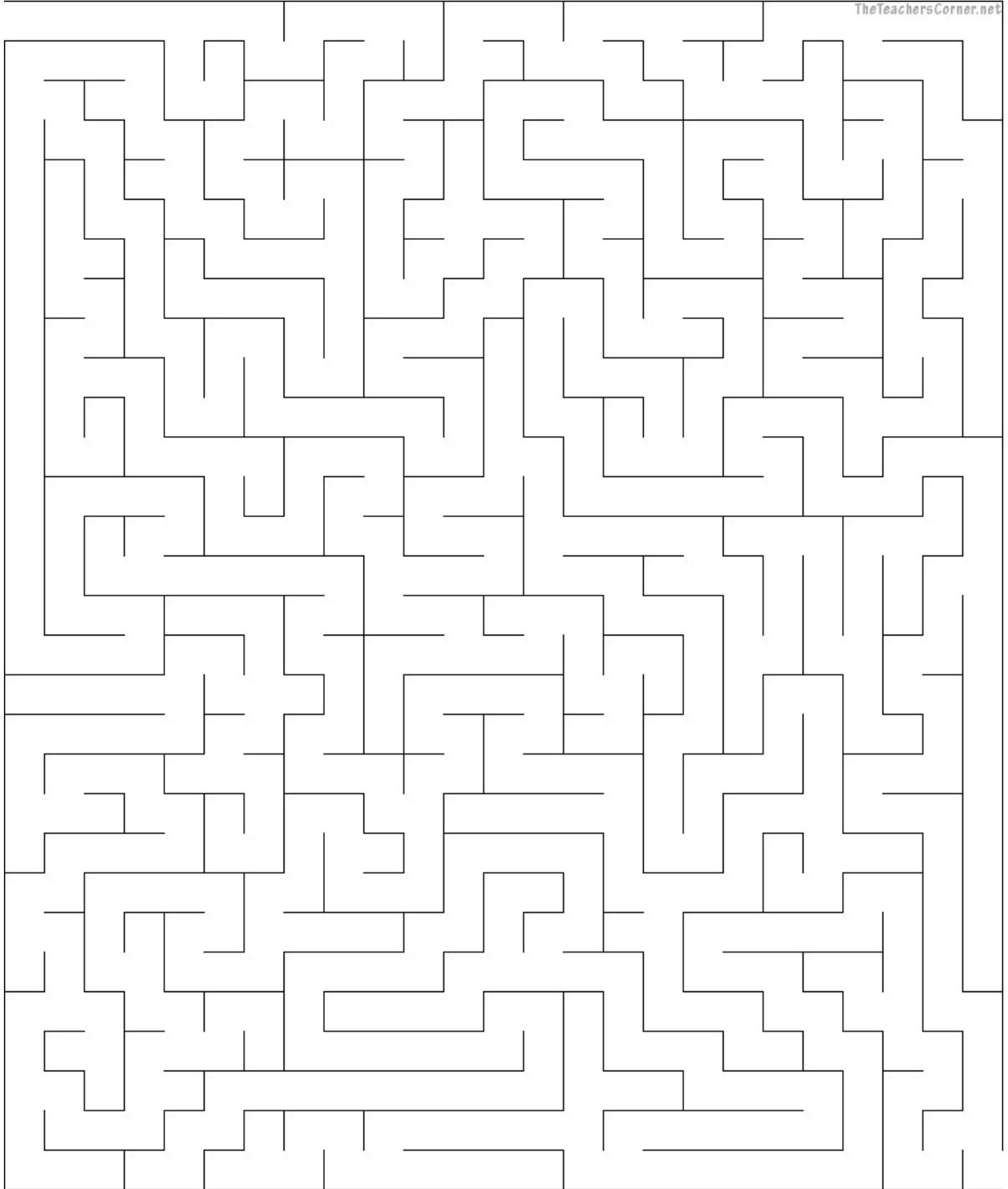
Send us a photo of your colouring in sheet to go in the draw to win some jaw-some Fish of the Year prizes! Send your photo to: competitions@emr.org.nz

Solve the Maze!

Can you help the fish migrate to the Marine Reserve?



Start
here



TheTeachersCorner.net

Goat Island Marine Reserve



Animal Habitats

A place where an animal normally lives is called a habitat. There are many different kinds of habitats from the cold mountain tops, to the deep sea, to dry deserts in Africa and Antarctica to the moist rainforests of South America!

Activity:

Where would these animals normally live? Draw a line between each animal and its habitat.

Kelp forests

Estuaries

**Streams
and
Lakes**

Rockpools

Crested weedfish

Great white shark

Inanga

Goatfish

Stargazer

Common bully

Yellow moray eel

Longfin eel

Olive rockfish

Snapper

Lamprey

Flounder

Hapuka

Hiwihiwi

Butterfish

Common bully

Torrentfish

Oceanic manta ray

Shortjaw kōkopu

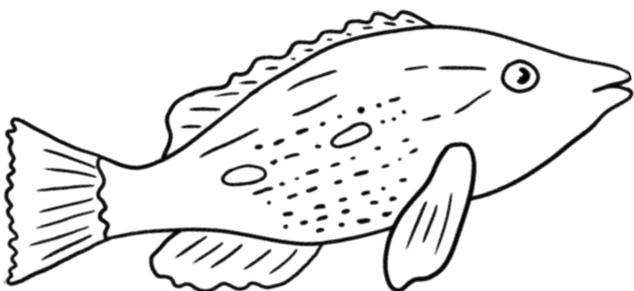
Leatherjacket

Red moki

John dory

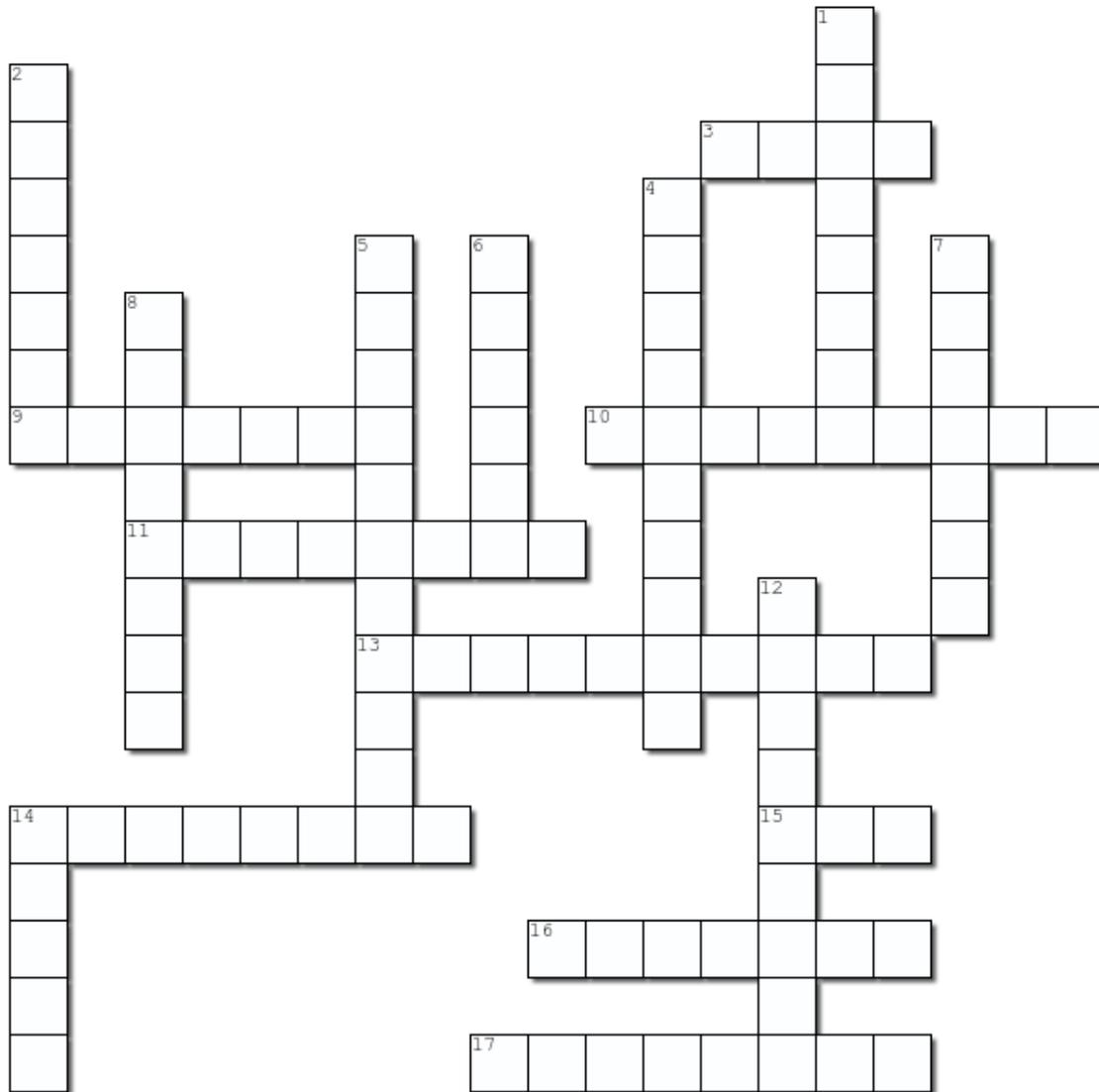
Pigfish

Open Ocean



Crosswords

Guess the answers to complete the crossword!



Across:

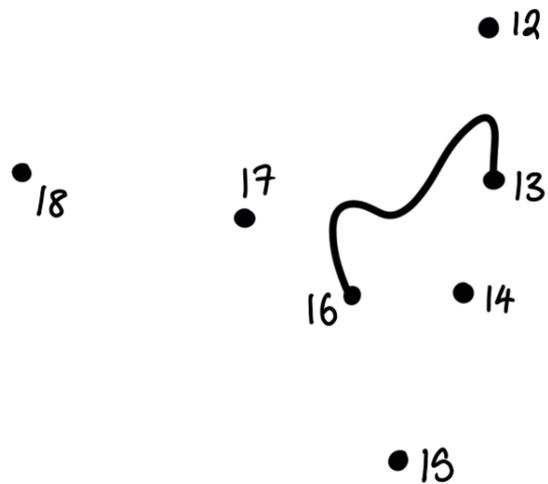
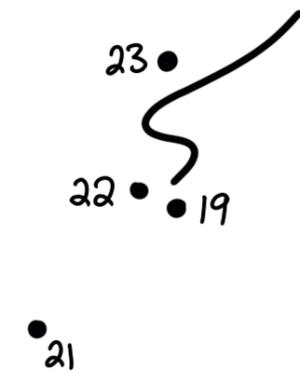
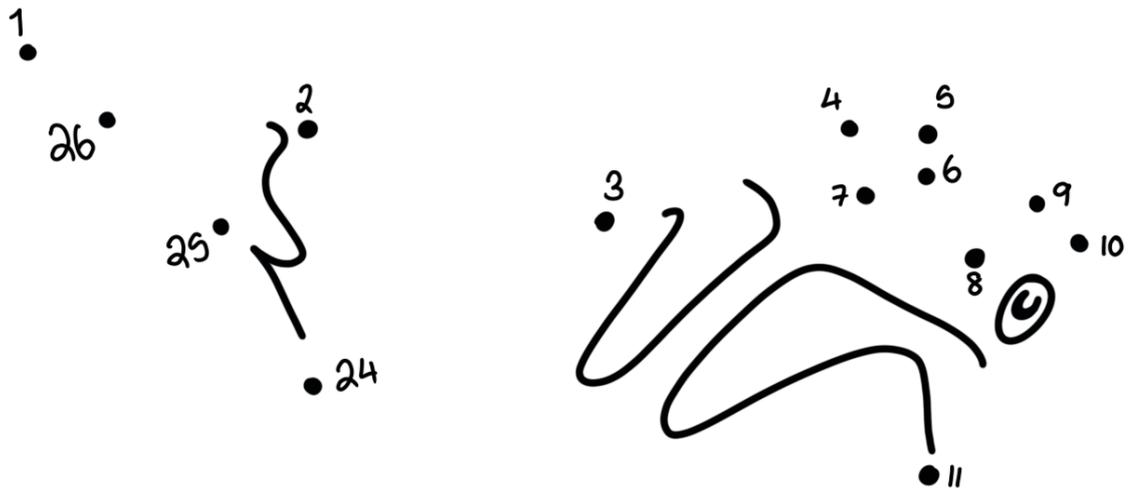
3. A prickly animal found all around Aotearoa, a tasty meal for a snapper
9. A large fish which is an important predator of kina
10. A jelly-like marine creature with stinging tentacles
11. A flat fish which lies on the ground and has both eyes on one side of it's body
13. The name of the Island at Aotearoa's oldest marine reserve
14. An animal with a large pouch to hold its babies (Hint: only the males raise the babies)
15. The Māori name for fish
16. An animal that lives in rockpools and has many tentacles (hint: Nemo and Marlin live in one)
17. A fish which has a big spot on the side of its body which looks like an eye. and anal fins

Down:

1. An ocean voyager which grows to 7m wide and feeds on plankton
2. An animal which has 8 arms and 3 hearts
4. A fish which has a wavy mohawk of broad dorsal and anal fins
5. The _____ Islands are a marine protected area in Northland
6. A marine reptile with a large bony shell
7. The name of the biggest ocean on Earth
8. This animal is sometimes called a lobster
12. A big volcanic island in the Hauraki Gulf
13. Something a hermit crab makes its home with

Connect the dots

Connect the dots to discover one of Aotearoa's fishes



20

This graceful ocean voyager reaches 7m long! It is a filter feeder and uses a filter to feed on plankton and crustaceans in the water. They feed by somersaulting through the water, showing off their bellies which have unique spots, like a fingerprint which tells scientists who it is!



Artwork by
Wednesday Davis

#TelkaOTeTau2023 | Vote for your favourite fish at www.emr.org.nz/fish
Send us a photo of your colouring in sheet to go in the draw to win some jaw-some
Fish of the Year prizes! Send your photo to: competitions@emr.org.nz

Name the Lakes

Did you know Aotearoa has 775 lakes? These lakes are home to a variety of fishes including eels, inanga and kokopu!

Fill in the boxes to name 10 of Aotearoa's Lakes!

1.

2.

3.

4.

5.

6.

7.

8.

9.

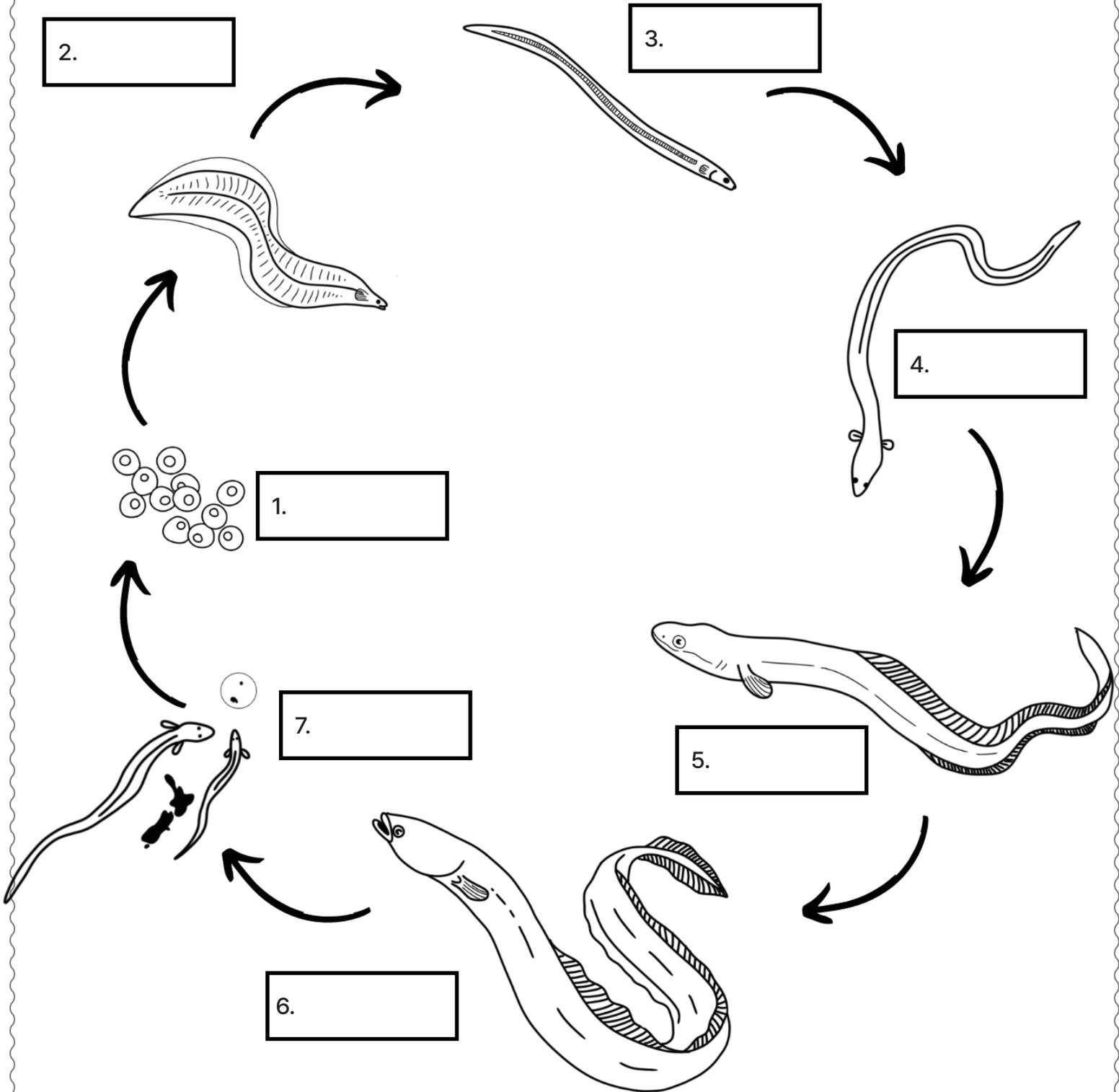
10.

Lake Pupuke
Lake Te Anau
Kai Iwi Lakes Reserve
Lake Wakatipu
Lake Rototoa
Lake Taupō
Lake Waikaremoana
Lake Pukaki
Lake Rotorua
Lake Wairarapa

Great Migrations!

Can you name the different life stages of the longfin eel?

Eels migrate up stream as elvers to find suitable streams to live out their adult lives. After many years, they migrate to the Pacific Ocean to breed and die. The females lay millions of eggs that are fertilised by the male. These larvae are leaf shaped and float back to New Zealand by themselves on ocean currents.



Mature Adult - Glass Eel - Egg - Migrant Eel - Elver - Larvae - Juvenile

Who are you voting for?

Pick 3 fishes you would like to vote for and use the Fish of the Year website fill in the boxes and learn something new!

What three fish are you going to vote for?

Pick your favourite and learn more about it!

Name of fish: _____

What is its Māori name?



What does it look like?

Where does it live?

What does your animal like to eat?

What is something unique about your animal?



Draw a picture of your favourite animal!

As kaitiaki how can you help this animal?

Answers:

Unscramble the letters:

Kingfish, Pigfish, Snapper, Weedfish, Leatherjacket, John dory, Red moki

Crossword:

1. Ika
2. Seashell
3. Snapper
4. John Dory
5. Ika
6. Goat Island
7. Flounder
8. Octopus
9. Anemone
10. Seahorse
11. Manta ray
12. Butterfish
13. Turtle
14. Crayfish
15. Pacific
16. Poor Knights
17. Kina
18. Rangitoto

Name the Lakes

1. Kai iwi lakes reserve
2. Lake Rototoa
3. Lake Pupuke
4. Lake Rotorua
5. Lake Taupō
6. Lake Waikaremoana
7. Lake Wairarapa
8. Lake Pukaki
9. Lake Wakatipu
10. Lake Te Anau

What habitat does the animal live in?

Kelp forests: Crested weedfish, goatfish, yellow moray eel, snapper, hiwihiwi, butterfish, leatherjacket, red moki, john dory, pigfish. **Open ocean:** Great white shark, hapuka, oceanic manta ray. **Freshwater:** Inanga, longfin eel, lamprey, common bullies torrentfish, short jaw kokopu. **Estuarine:** Flounder, Stargazer
Rockpools: Olive rockfish

Great Migrations!

1. Egg
2. Larvae
3. Glass eel
4. Elver
5. Juvenile
6. Mature adult
7. Migrant eel