



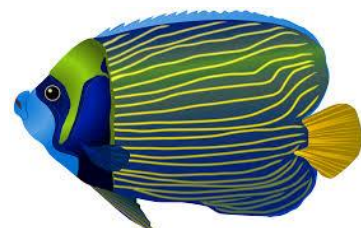
Hi Everyone and welcome to everything you ever needed to know about the Oceans

We hope you have a great week and if you want to request something particular for a future activity pack – please let us know!!

You can contact us on 9727 2222 or at [caladenia@caladenia.com.au](mailto:caladenia@caladenia.com.au) to let us know your ideas!!

Have a great week – we are thinking of you!

Your friends at Caladenia

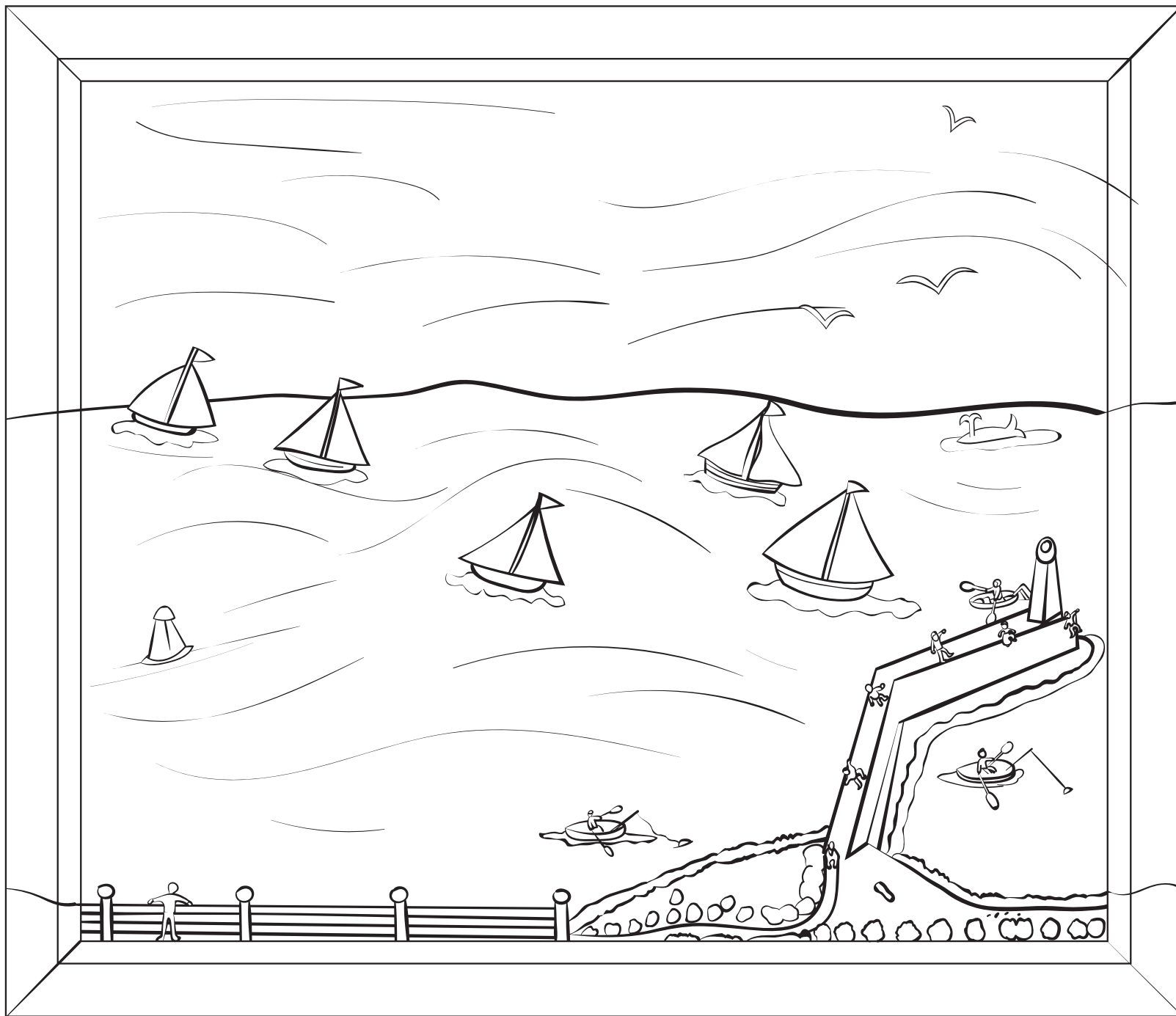


## Sheila Maloney

Sheila Ruth Maloney is a Canadian contemporary folk artist. She was born on a farm in Dauphin, Manitoba, and grew up in British Columbia.

Sheila is well-known in many countries and was the winner of several prizes at home and abroad. Her naïve paintings have captured the heart of towns and country life with truth, joy, humour and love.





# BOGGLE

How many words can you find?

## Boggle: Instructions

1. The letters must be adjoining in a 'chain'. (Letter cubes in the chain may be adjacent horizontally, vertically, or diagonally.)
2. Words must contain at least three letters.
3. No letter **square** may be used more than once within a single word.

M	A	P	O
E	T	E	R
D	E	N	I
L	D	H	C

## Points

3 letters – 1 point

6 letters – 3 points

4 letters – 1 point

7 letters – 5 points

5 letters – 2 points

8 letters – 9 points

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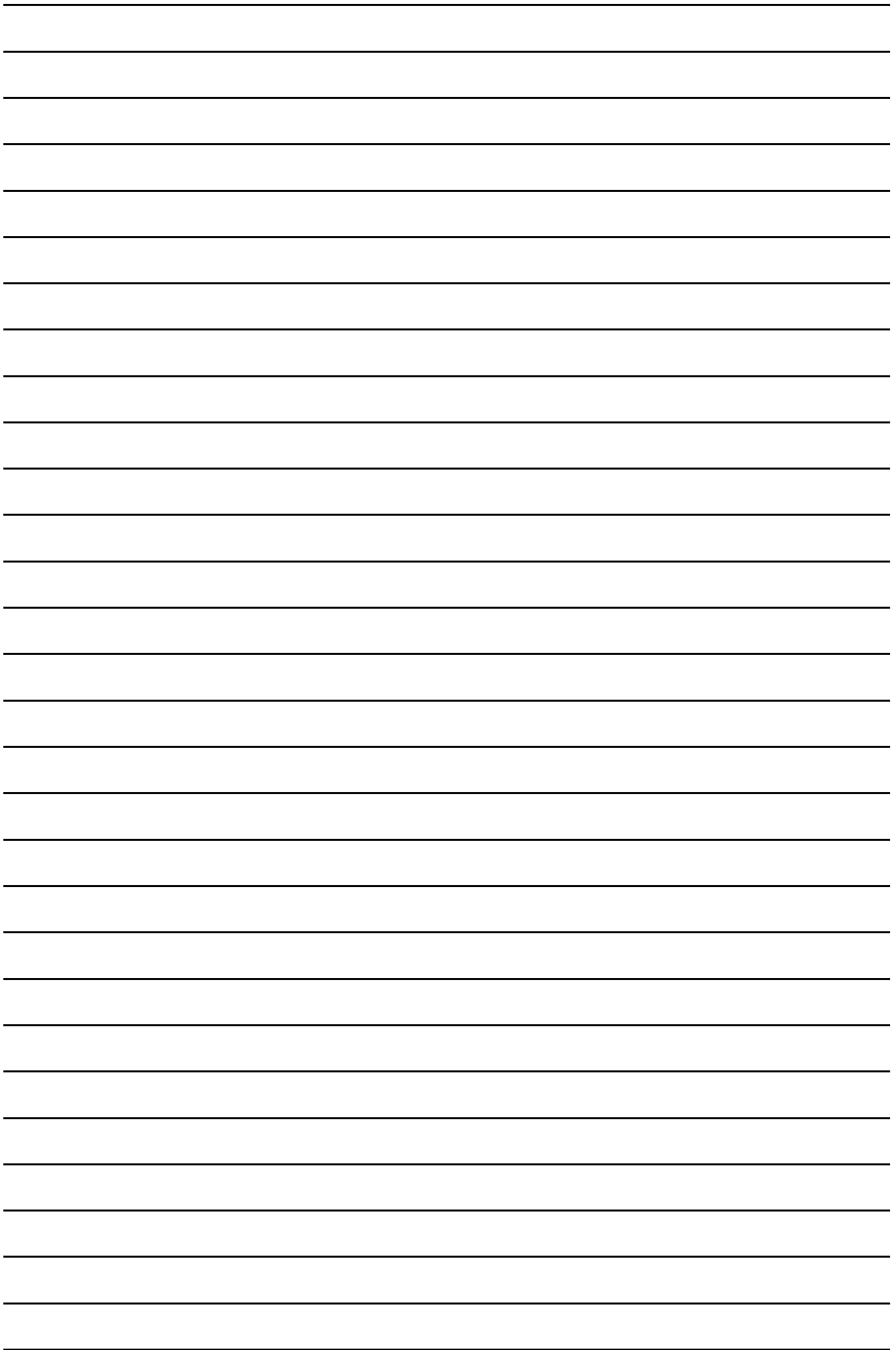
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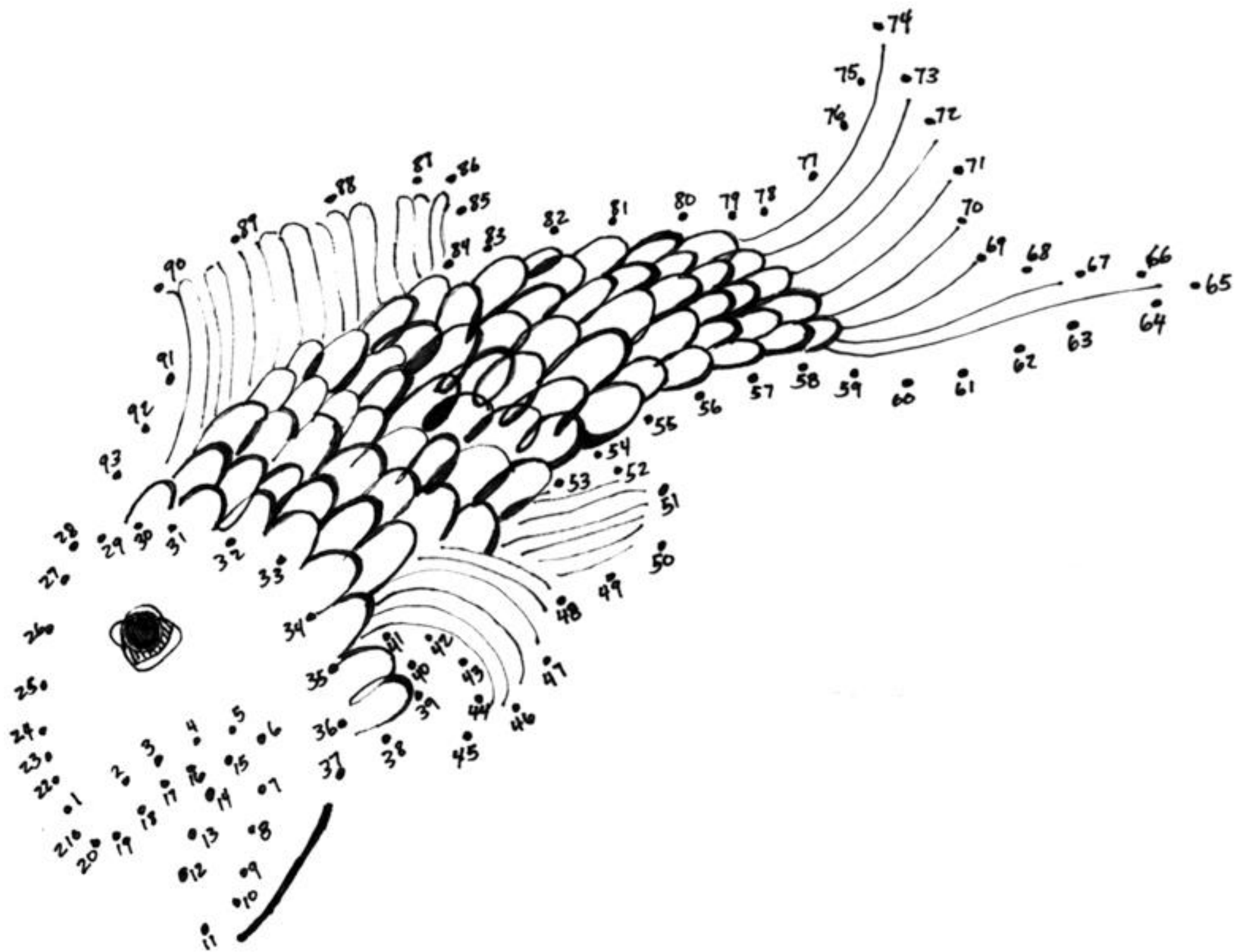
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The largest ocean in the world is the Pacific Ocean; it covers around 30% of the Earth's surface.

The Pacific Ocean is surrounded by the 'Ring of Fire', a large number of active volcanos.

The Atlantic Ocean covers 21% of the Earth's surface.

Corals are classified as animals.

The Bermuda Triangle is located in the Atlantic Ocean, between Bermuda, Puerto Rico and Florida. It is the site where a number of mysterious plane and boat incidents have occurred. However, research indicates that the weather and human error were the culprits.

Ninety percent of all volcanic activity occurs in the oceans.

The Great Barrier Reef is 2,300 km or 1,430 miles in length and is the largest structure built by living organisms on the Earth.

The Great Barrier Reef can be seen from space.

Other countries with reefs are New Caledonia, Belize and Fiji.

More than 90% of the trade between countries is carried by container ships.

The deep sea is the largest museum on Earth: there are more artifacts and remnants of history in the oceans than in all of the land museums combined.

Only 5% of Earth oceans have been explored.

We have better maps of mars than we do of the ocean floor.

Rogue waves do exist! The largest rogue waves ever measured occurred in February 2000 when 29.1meter (100 foot) waves trapped the vessel RRS Discovery west of Scotland.

The Atlantic Ocean is about half the size of the Pacific Ocean. However, the Atlantic is growing five centimetres per year while the much older Pacific Ocean shrinks by two centimetres per year.

# OCEAN

Why don't clams give to charity?

Because they're shellfish!

Why are there fish at the bottom of the sea?

Because they dropped out of school.

Why did the fisherman suddenly redirect his boat?

Just for the halibut.

What does a fish say when he makes a mistake?

It was just a fluke!

How did the shark plead in the murder case?

Not gill-ty.

What did the carp say to his crush?

Don't play koi with me!

What does a dolphin say when he's confused?

Can you please be more Pacific?

What did the lobsterman say when his crate turned up empty?

It a-piers we have a problem.

What did the tuna say to her overzealous partner?

I think we need to scale things back here.

What does the fish say when she disagrees with her husband?

I don't quite sea it that way.



# Ocean Conservation Word Search

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

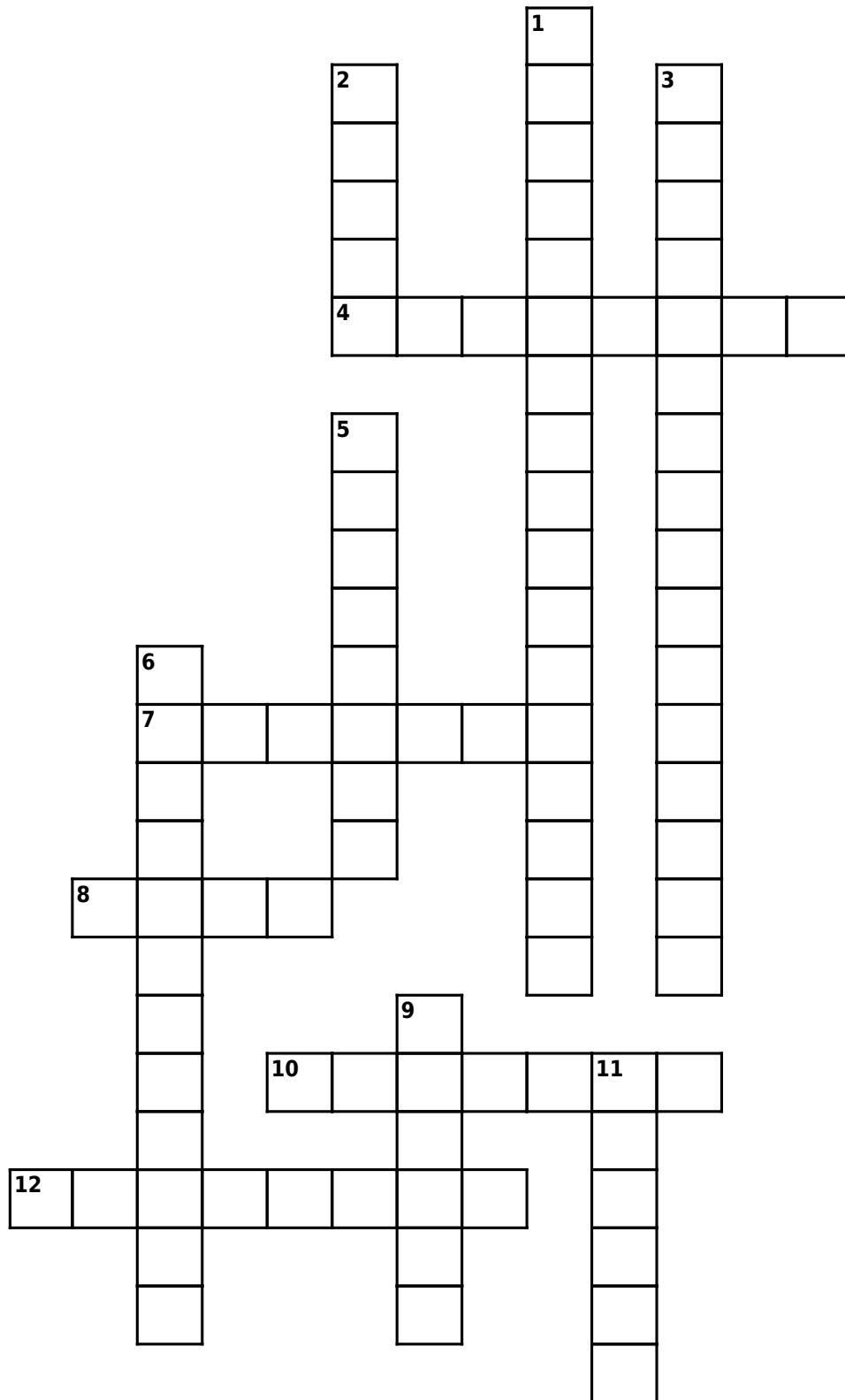
Challenge  
Corrosive  
Sustainable  
Pollution  
Protect

Celebrate  
Carbonate  
Consumption  
Plastics  
Safeguard

Conserve  
Discoloration  
Mercury  
Reduce  
Obliterate

Glacial  
Acid  
Overfish  
Depletion  
Damage

# Ocean - Word Bank: Tides, Continental Shelf, Salinity, Plankton, Current, Wave, Continental Slope, Trench, Seamount, Nekton, Abyssal Plain, Benthos



# **Ocean - Word Bank: Tides, Continental Shelf, Salinity, Plankton, Current, Wave, Continental Slope, Trench, Seamount, Nekton, Abyssal Plain, Benthos**

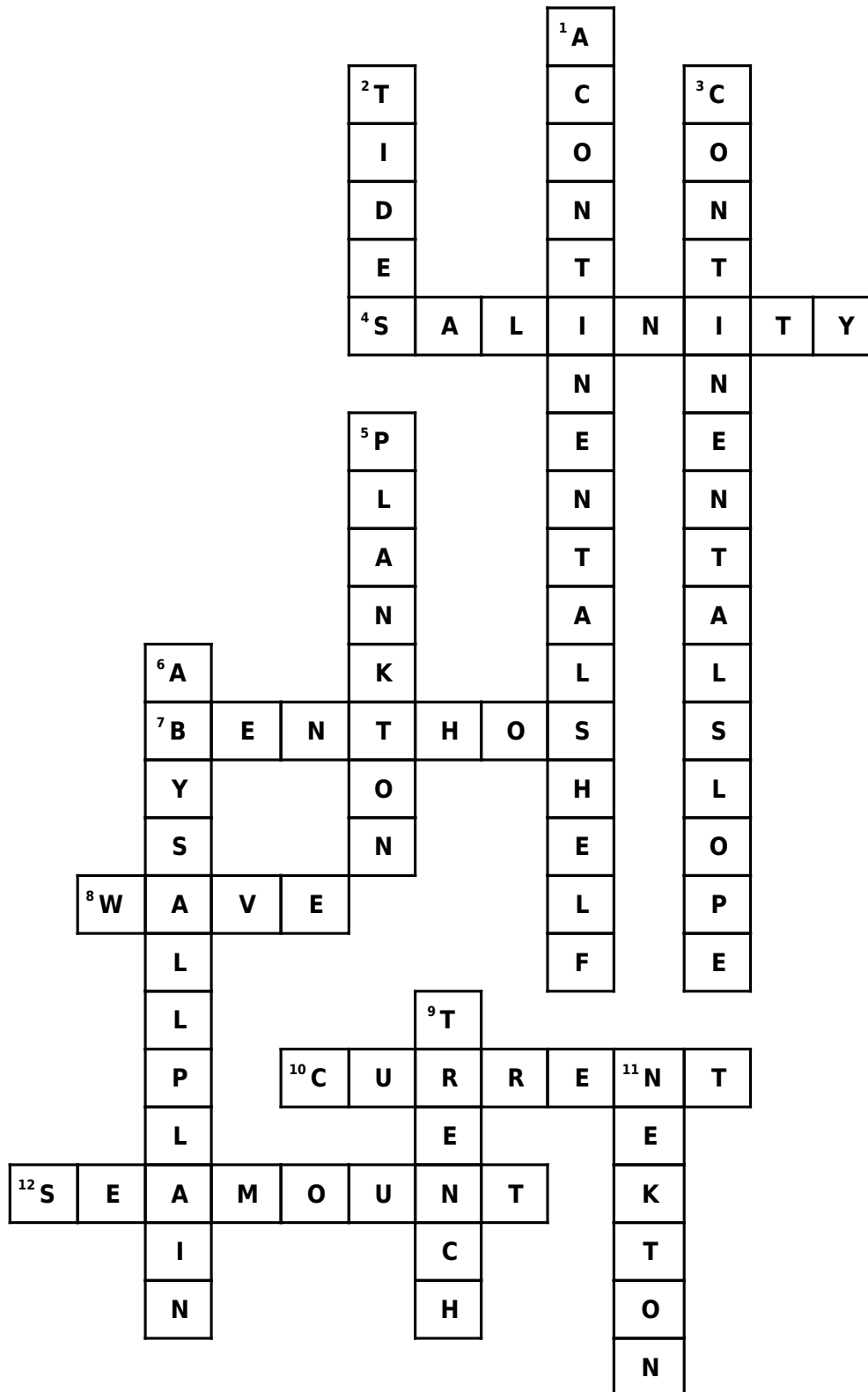
## **Across**

- 4.** The salt content of a body of water
- 7.** Organisms that live on or in the bottom of a body of water
- 8.** A transfer of energy
- 10.** Movement of ocean water that flows in one of the Earth's oceans
- 12.** A large underwater mountain

## **Down**

- 1.** An underwater landmass
- 2.** The cycle of rising and falling of the surface of bodies of water
- 3.** The sloping region between a continental shelf and rise
- 5.** The small and microscopic organisms drifting or floating in the sea or fresh water
- 6.** An underwater plain on the deep ocean floor
- 9.** A long narrow ditch
- 11.** Aquatic animals that are able to swim and move independently of water currents

# Ocean - Word Bank: Tides, Continental Shelf, Salinity, Plankton, Current, Wave, Continental Slope, Trench, Seamount, Nekton, Abyssal Plain, Benthos





Dolphins range in size from the 1.7-metre-long (5 ft 7 in) long and 50-kilogram (110-pound) Maui's dolphin to the 9.5 m (31 ft 2 in) and 10-metric-ton (11-short-ton) killer whale. Several species exhibit sexual dimorphism, in that the males are larger than females. They have streamlined bodies and two limbs that are modified into flippers. Though not quite as flexible as seals, some dolphins can travel at speeds 29 km/h (18 mph) for short distances. Dolphins use their conical shaped teeth to capture fast moving prey. They have well-developed hearing which is adapted for both air and water and is so well developed that some can survive even if they are blind. Some species are well adapted for diving to great depths. They have a layer of fat, or blubber, under the skin to keep warm in the cold water.



Turtles are ectotherms—animals commonly called cold-blooded—meaning that their internal temperature varies according to the ambient environment. However, because of their high metabolic rate, leatherback sea turtles have a body temperature that is noticeably higher than that of the surrounding water. Turtles are classified as amniotes, along with other reptiles, birds, and mammals. Like other amniotes, turtles breathe air and do not lay eggs underwater, although many species live in or around water.





Shark lifespans vary by species. Most live 20 to 30 years. The spiny dogfish has one of the longest lifespans at more than 100 years. Whale sharks (*Rhincodon typus*) may also live over 100 years. Earlier estimates suggested the Greenland shark (*Somniosus microcephalus*) could reach about 200 years, but a recent study found that a 5.02-metre-long (16.5 ft) specimen was  $392 \pm 120$  years old (i.e., at least 272 years old), making it the longest-lived vertebrate known.



The Great Barrier Reef is the world's largest coral reef system composed of over 2,900 individual reefs and 900 islands stretching for over 2,300 kilometres (1,400 mi) over an area of approximately 344,400 square kilometres (133,000 sq mi). The reef is located in the Coral Sea, off the coast of Queensland, Australia. The Great Barrier Reef can be seen from outer space and is the world's biggest single structure made by living organisms. This reef structure is composed of and built by billions of tiny organisms, known as coral polyps. It supports a wide diversity of life and was selected as a World Heritage Site in 1981. CNN labelled it one of the seven natural wonders of the world. The Queensland National Trust named it a state icon of Queensland. A large part of the reef is protected by the Great Barrier Reef Marine Park, which helps to limit the impact of human use, such as fishing and tourism. Other environmental pressures on the reef and its ecosystem include runoff, climate change accompanied by mass coral bleaching, dumping of dredging sludge and cyclic population outbreaks of the crown-of-thorns starfish. According to a study published in October 2012 by the *Proceedings of the National Academy of Sciences*, the reef has lost more than half its coral cover since 1985.



## Quiz

How many oceans are there in the world?

Which is the largest ocean in the world?

In 2000, a new ocean was added to the list. What was it called?

Which important chemical does all oceans contain?

Which part of the world does the Southern Ocean surround?

Which ocean surrounds Hawaii?

What is the smallest ocean called?

Which US state borders two oceans?

The North Atlantic Ocean is close to which island country?

On which ocean is the island of Sri Lanka?

On which ocean would you find the Falkland Islands?

Can you name two ocean birds?

What man made pollution increases the acidity of the water in the ocean and lakes?

The first person credited for sailing the Pacific Ocean was?

What ocean structure can you see from space?



## Answers

How many oceans are there in the world? **FIVE**

Which is the largest ocean in the world? **PACIFIC OCEAN**

In 2000, a new ocean was added to the list. What was it called? **THE SOUTHERN OCEAN**

Which important chemical does all oceans contain? **SODIUM**

Which part of the world does the Southern Ocean surround? **ANTARTICA**

Which ocean surrounds Hawaii? **PACIFIC OCEAN**

What is the smallest ocean called? **ARTIC OCEAN**

Which US state borders two oceans? **ALASKA**

The North Atlantic Ocean is close to which island country? **IRELAND**

On which ocean is the island of Sri Lanka? **INDIAN OCEAN**

On which ocean would you find the Falkland Islands? **SOUTHERN PACIFIC OCEAN**

Can you name two ocean birds? **ALBATROSS AND SEAGULL**

What man made pollution increases the acidity of the water in the ocean and lakes? **CARBON DIOXIDE**

The first person credited for sailing the Pacific Ocean was? **JAMES COOK**

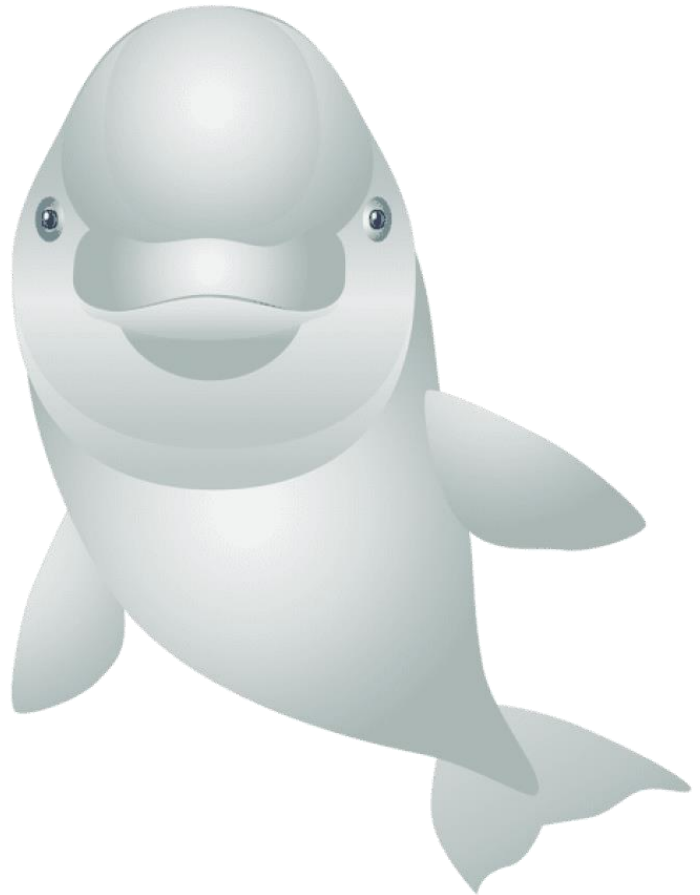
What ocean structure can you see from space? **THE GREAT BARRIER REEF**





Unscramble these words to find some under the sea creatures!

- NDPOHLI
- HISF
- BARC
- EWLHA
- ELE
- KHRSA
- LTERTU
- LSAE
- ARCO
- LLFIYJSEH

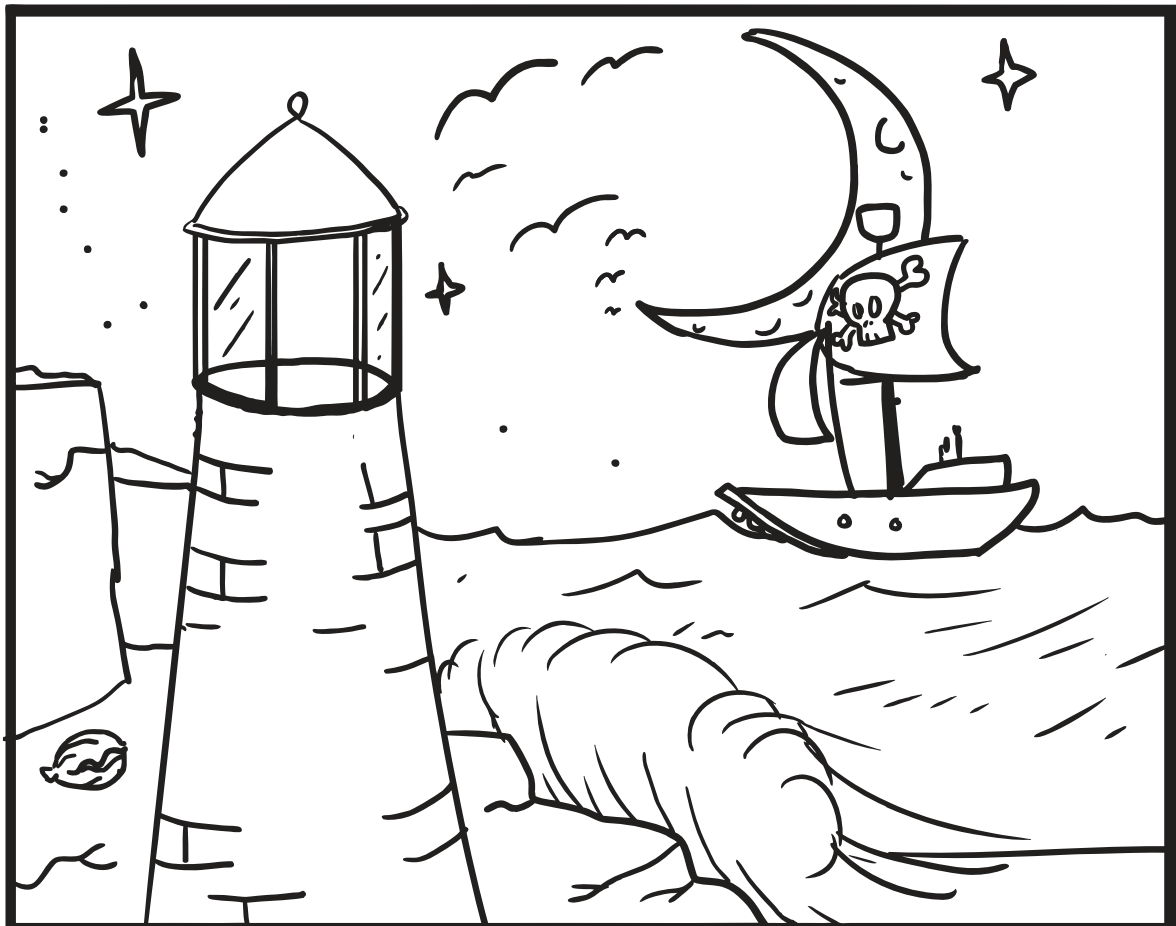


DOLPHIN, FISH, CRAB, WHALE, EEL, SHARK, TURTLE, SEAL, ORCA, JELLYFISH

Answers:

# Spot the Differences

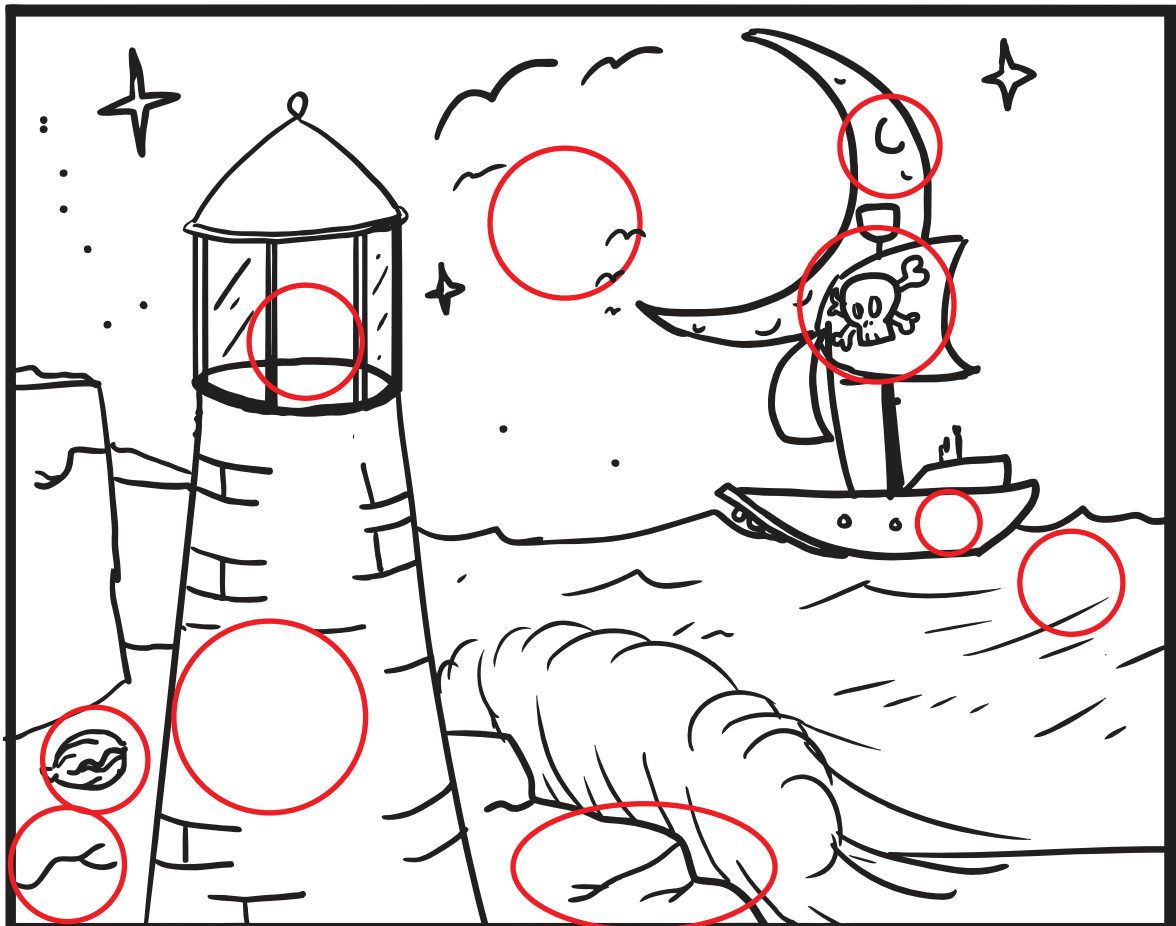
They look the same but there are 10 differences. Search for them!





# Spot the Differences

They look the same but there are 10 differences. Search for them!



# Word Ladder #4

## Surf - Sand

**Instructions:** In word ladders, you change one word into another. At each step along the way, change just one letter to make a new word. Clues are given at each step!

Answers	Hint
SURF	Sound heard at the beach
— — — —	Absolutely certain
— — — —	Fish tempter
— — — —	Preserve meat
— — — —	Basis of cheese
— — — —	Christmas greeting on stiff paper
— — — —	Solid
— — — —	The end of your arm, beyond the wrist
— — — —	Finish a flight
SAND	Beach grains

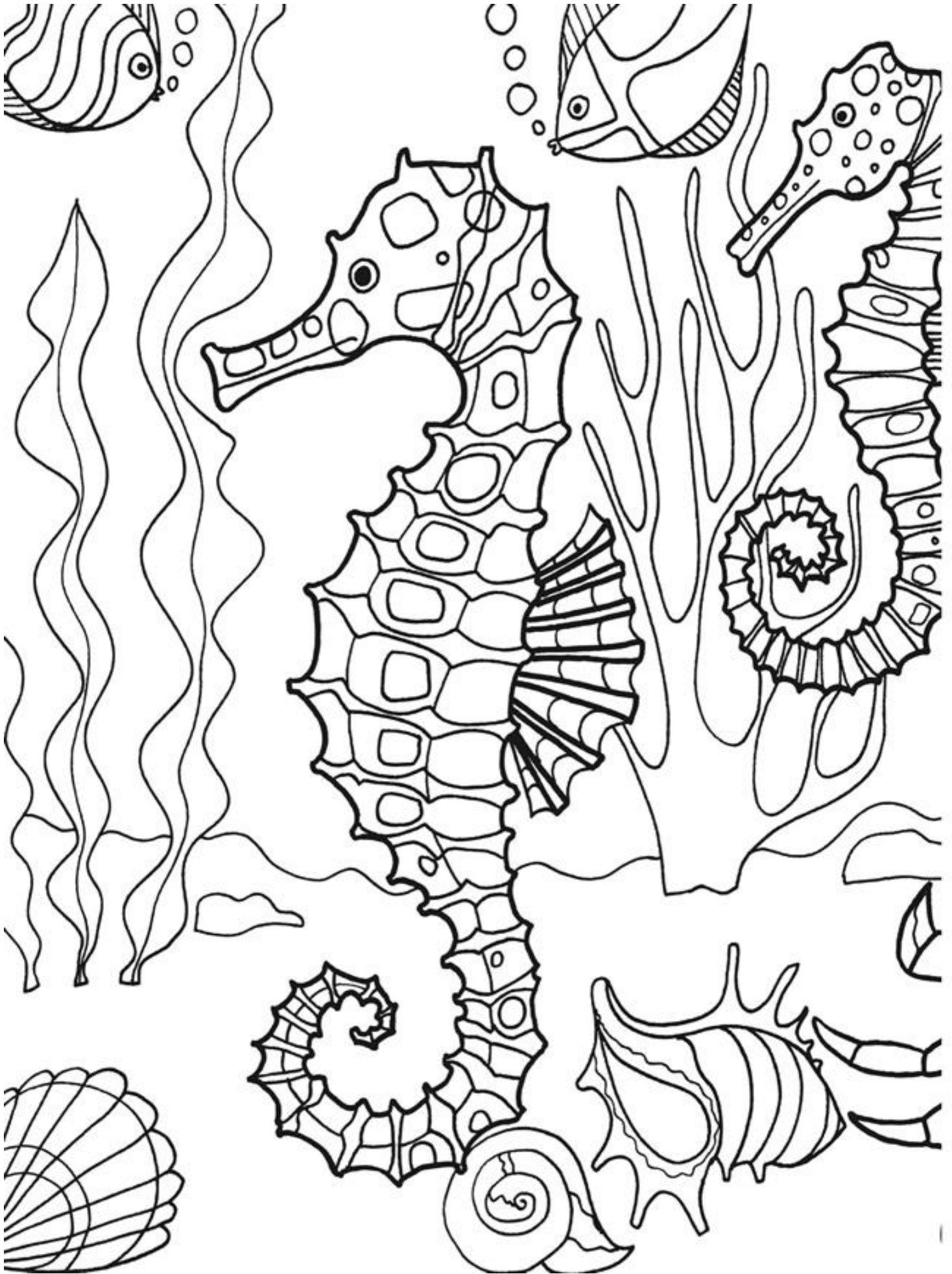
## Word Ladder #4 – **Answers**

Surf - Sand

How did you do? Answers provided below.

<b>Answers</b>	<b>Hint</b>
SURF	Sound heard at the beach
SURE	Absolutely certain
LURE	Fish tempter
CURE	Preserve meat
CURD	Basis of cheese
CARD	Christmas greeting on stiff paper
HARD	Solid
HAND	The end of your arm, beyond the wrist
LAND	Finish a flight
SAND	Beach grains

# Art for Relaxation



# Art for Relaxation

