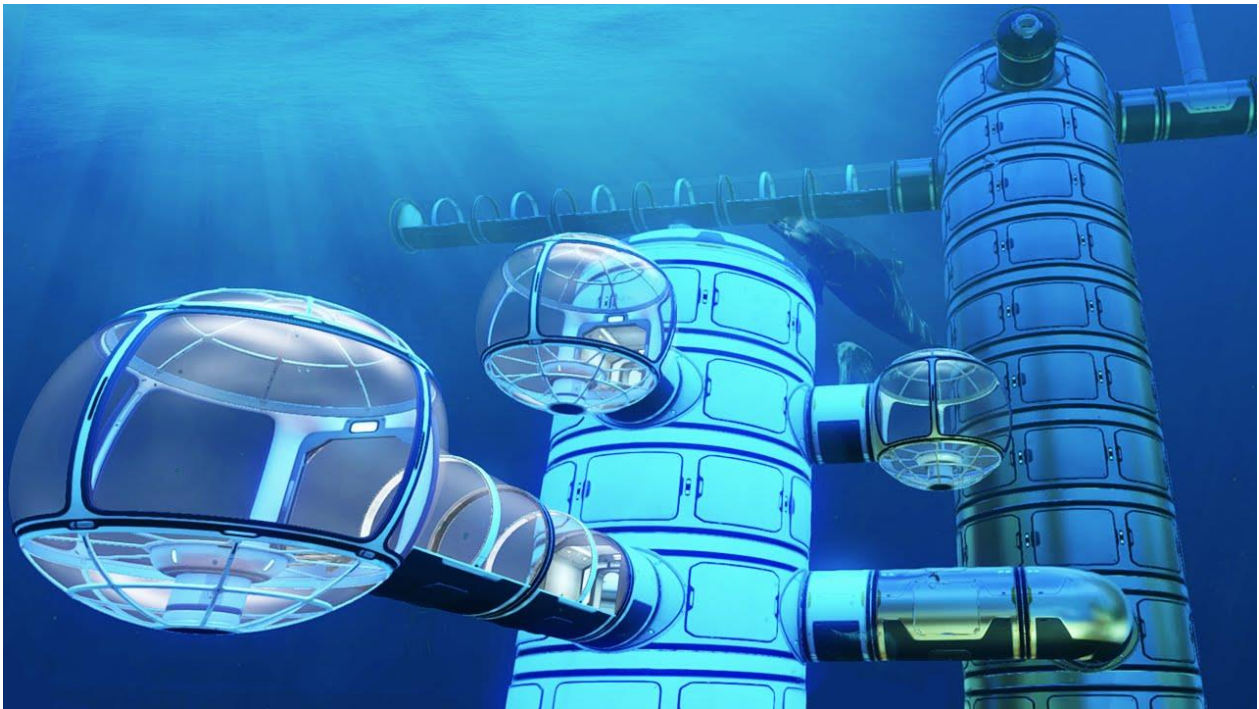




Term

Activity Booklet



Technology in Farming and Marine Environments

Name: _____

If you complete this booklet you can ask for 5 hours in your Passport!





Pollinators and Produce



Pollination is the important part of the life cycle of plants. Pollination helps plants make seeds, and then more plants! **Pollinators** are the creatures that pollinate flowers. A lot of the produce (fruit and vegetables) we eat have flowers and need pollinators to help them grow. Find the **pollinators** and **produce** in the FIND-A-WORD.



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



ANTS
 APPLES
 BANANAS
 BATS
 BEES

BETTER
 BIRDS
 BROCCOLI
 BUTTERFLIES
 CABBAGE

CARROT
 CORN
 CUCUMBER
 FLIES
 FRUITFLIES

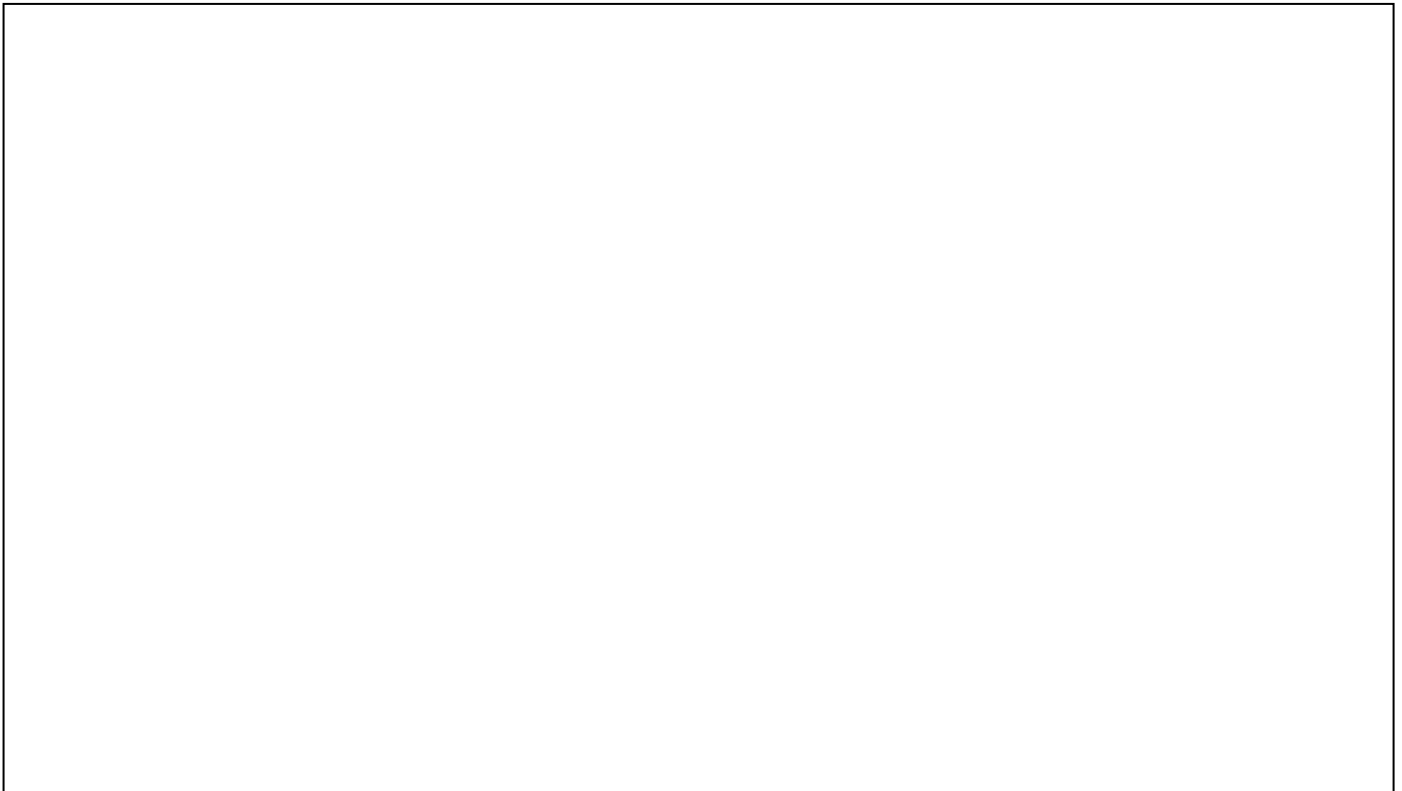
MANGOES
 MONTHS
 PEARS
 POSSUMS
 PUMPKINS

STRAWBERRIES
 SUGARGLIDERS
 TOMATOES
 WASPS
 WATERMELON



The Future of Farming!

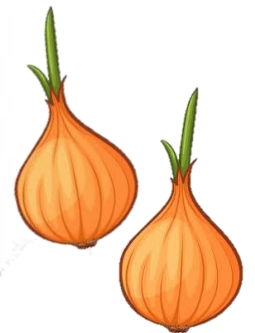
Farmers are using new technology like **drones and satellites** to check on their crops. Drones can take **pictures and videos, spray pesticides, muster cattle and water crops too**. In the box below, **design a new drone that you could use to help keep a crops healthy**. Remember to write down what your drone can do!





Vertical Veggies

Growing vegetables can **take up a lot of room**. Some farmers have started growing their vegetables **vertically in big shelves**. Think about how you would **organise these vegetables in the shelves below**. Draw some dirt and vegetables in the shelves to show us how you would organise your farm!





Farming and Fishing

Almost all of the food we eat comes from people who **farm and fish**. People from every continent on Earth have been **farming and fishing** for a very long time. Did you know that Aboriginal people had many different methods for **catching, gathering, growing, farming and storing food**? Match the pictures below to the type of farming. Ask someone or use the internet to help if you get stuck!



Cattle farming



Poultry farming



Fire-stick farming



Bee farming



Crop farming



Fish farming



Flower farming



Fruit farming



Careers in Agriculture

There are lots of different things that we can farm, like animals, grain, fruit and vegetables. What do you think a farmer does during the day? Use the space below to write down what you would do during the day if you were a farmer.

Did you know there are lots of other jobs in agriculture that aren't farming? Research some of the examples below!

Large animal veterinarian



Food scientist



Agricultural mechanic



Agricultural weather forecaster

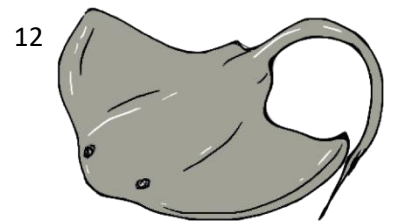
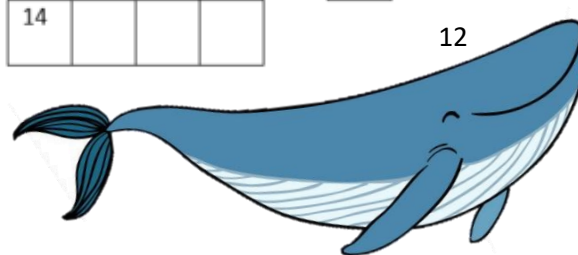
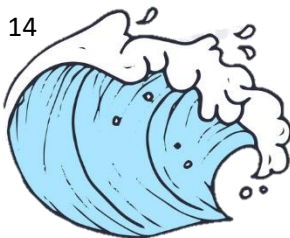
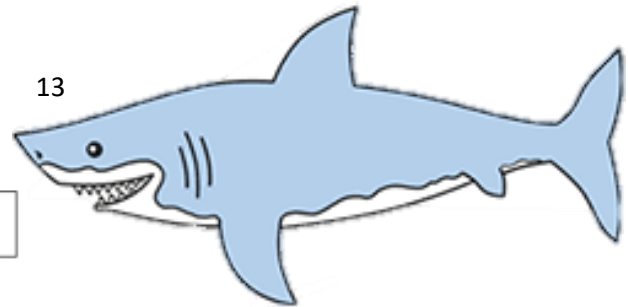
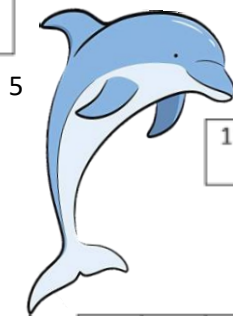
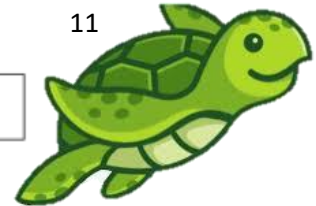
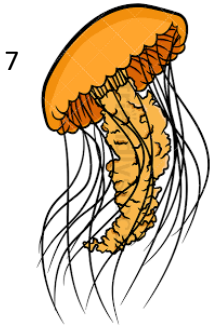
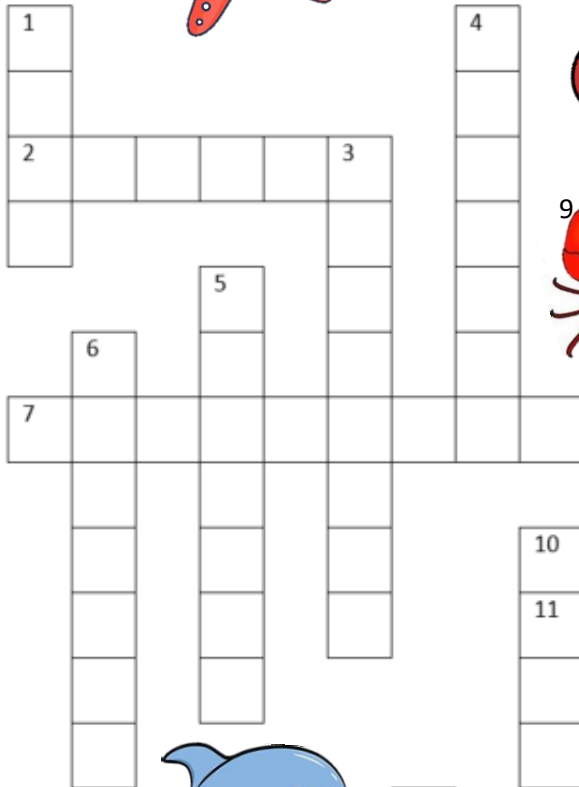
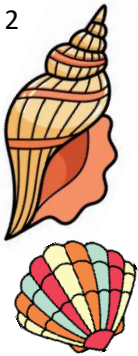
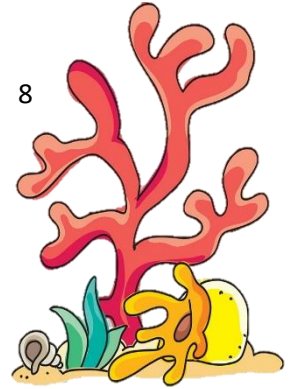
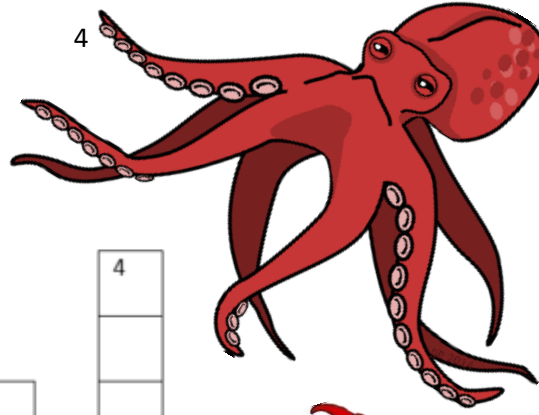
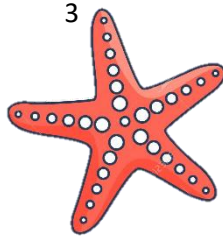
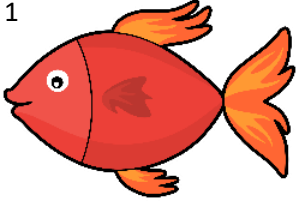


Soil scientist





What can you find in the ocean?





Discovery in the Deep

<https://neal.fun/deep-sea/>

Some animals live in the ocean all the time (like fish and whales), but others only spend some time in the water (like polar bears and penguins). Many animals that find their food in the ocean **dive down** to catch it!

Use the website above to find 5 different animals that can be found in the sea.

Scroll down to see the different animals that live at different depths.

The ocean floor is 10924 metres down!!!

What is the animal? _____

How deep is it? _____

What is the animal? _____

How deep is it? _____

What is the animal? _____

How deep is it? _____

What is the animal? _____

How deep is it? _____

What is the animal? _____

How deep is it? _____

Draw your favourite animal that is on the Deep Sea website!!!





Design an Underwater Hotel

Have you ever dreamed about **waking up with whales** or eating **breakfast with a basking shark**? Imagine you are an **underwater architect** and create your own **underwater hotel**! What would you include in your design? You can **draw the design** in the box below or make it out of items you have around your house.



Have a whale of a time!

There are many different types of whales that live in the world's oceans. Use this website to listen to the different sounds that different whales make!

https://archive.fisheries.noaa.gov/afsc/news/Gulf-of-Alaska-Cetacean-Sounds/index.html?fbclid=IwAR3jOyRPsta0oVFujZKLJVAS0mD9SlvAM1-CXzIM7Ay_hc6TmjfKxeOD_1U

Click on the triangle near each whale to hear their calls.

Which whale makes your favourite noise? _____

Which whale makes your least favourite noise? _____

Which whale is the largest? _____

Which whale is the smallest? _____

DID YOU KNOW?

Whales are the largest animals on earth, and live in every ocean!



Pick one whale and find out this information about it!

How long do these whales grow? _____

How long do these whales live for? _____

What do these whales eat? _____

Where do these whales live? _____



Underwater Photography can be a hobby or a career! Photographers might focus on sports, animals, the environment or people! They can dive or swim to capture pictures.



Maritime Archaeology looks at the way people have interacted with water bodies like lakes, rivers and seas! They might study ship wrecks, old civilisations or underwater landscapes.

5 cool jobs can you do in the water



Dive instructors help other people learn how to dive when they are beginners or learning more about diving! Dive instructors might teach you to dive in a pool, shallow water or the open ocean.



Marine Mammals Researchers study animals like whales, dolphins, seals and dugongs! They might spend time on the water or in the water taking photos of animals or tracking where they move during the year.



Marine Architects design marine craft and floating devices such as boats, ships, submarines, buoys and torpedoes! Their designs make sure boats and submarines are safe and look great too.

Can you make a new job that is underwater?

Use the lines below to write about your new job. You can use the next page to draw a picture of you at work in the marine environment! What would you wear? Where would you do this job?

