

WORKSHEET 1 NAME: _____



What are these?



C M W R

A mussel, a conger eel and kelp all live in sea water.

Which of these is:

a fish	a plant	a shellfish
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Is a sponge an animal or a plant? _____

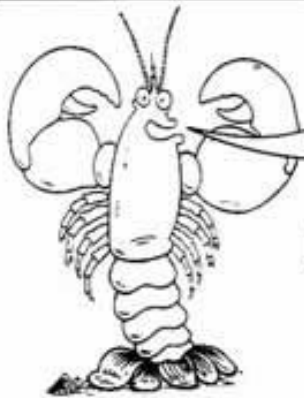
Animals in the sea move in different ways. Name an animal that has:

fins	tentacles	legs	feet
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<p>Draw a starfish</p> <p><i>How many arms does it have?</i></p>	<p>Draw your favourite fish</p> <p><i>What colour is it?</i></p>
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Fish are often coloured so that they can hide from other fish that want to eat them. This is called **camouflage**. Name one fish that is:

grey	yellow	silver	greeny brown
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My name is SEAMOR

What sort of animal am I?

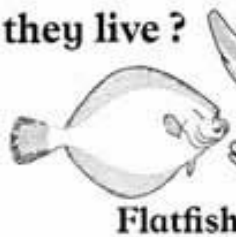
How many animals like me did you find in the Zoo?

Look out for the things *Seamor* tells you.

Find these animals in the Sea Zoo.

Where do they live?

Tick the correct boxes



Flatfish



Conger eel



Limpet



Starfish



Sea horse

On rocks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
On the sea bed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In rocky holes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
On seaweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In rockpools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Draw your favourite creature in the Sea Zoo.

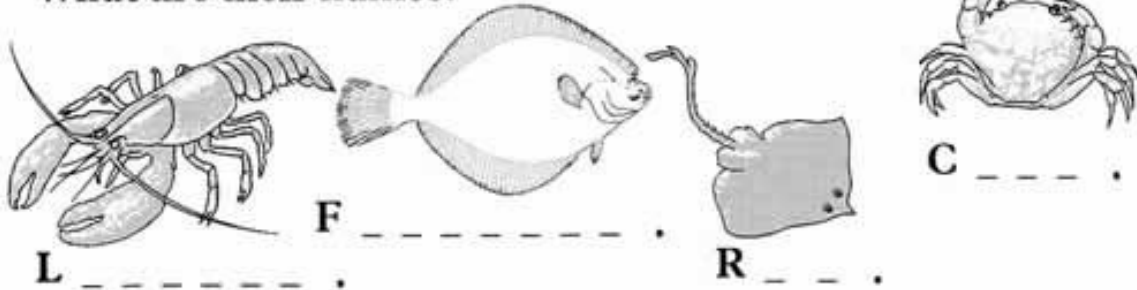
This is a picture of a

What was it **doing** when you saw it?

WORKSHEET 3 NAME: _____



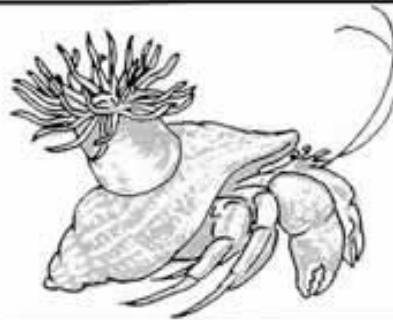
Find these animals in the Sea Zoo.
What are their names?



Put **ticks** next to the **two crustaceans**.

This hermit crab has an anemone on its back.

Tentacles •
Shell •



• Antenna
• Mouth
• Claw

Join up the **names** with the **parts** of the picture.

Draw your favourite fish in the Sea Zoo.

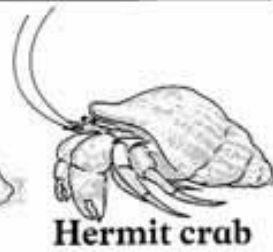
This fish is a _____

Label your fish with these parts:

Mouth Eye Tail

Where do we live?

Tick the correct boxes.



I stick to rocks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I crawl in rockpools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I hide in rocky holes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WORKSHEET 4 NAME: _____



We breathe with lungs. **Fish use** _____

We move on our feet. **Octopus use** _____

We eat with a knife and fork. **Lobsters use** _____

We touch with our fingers. **Cod use** _____

Fill in this food chain:

Seaweed is eaten by _____
_____ is eaten by _____ is eaten by **sharks**.

Name three things that **pollute** the seas

Of all the creatures you can see in the Sea Zoo:

Name two animals with **shells**

Name two animals with **scales**

Name two animals with **soft bodies**

When **waves** break, how can they **change** the coastline?

Tides are controlled by the _____ and the _____

Kelp is a plant. What two things does it need to **grow properly**?

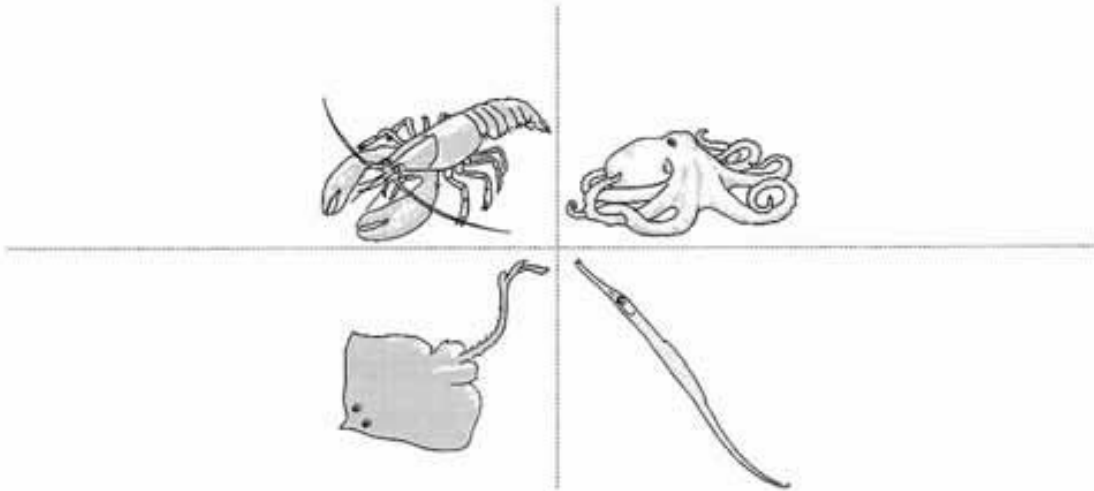
If a tree has **roots**, a **trunk** and **leaves** – what does **kelp** have?

Many types of fish **hide** in the kelp. **Why**?

WORKSHEET 5 NAME: _____



Many sea creatures are **camouflaged** to hide from **predators**.
Name the animals in the pictures. **How** are they camouflaged?



How can these two animals **help** each other?

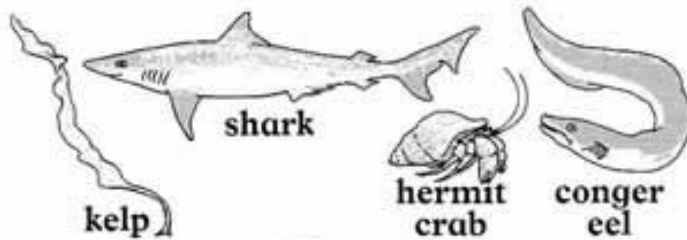


What sort of **relationship** do these animals have? ...

These animals have a **S** _____ relationship.

All animals and plants **respire** (breathe) and take in **nutrients** (feed).
 They do this in different ways.

Tick the correct boxes for these plants and animals



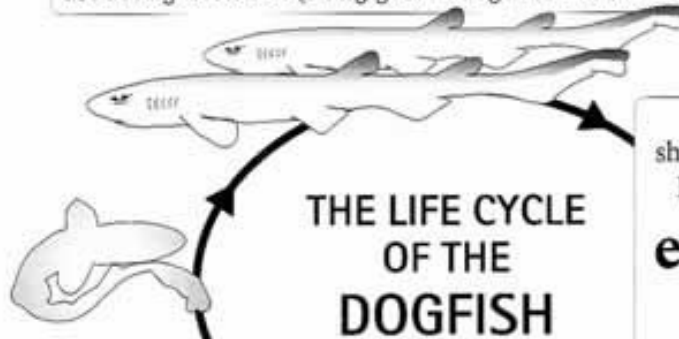
Uses carbon dioxide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Releases carbon dioxide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Takes in oxygen through gills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Takes in nutrients from water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Takes in nutrients through mouth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WORKSHEET 6 NAME: _____



There are many different kinds of **shark**. The most common shark around Anglesey is the **Lesser Spotted Dogfish**.

1. When they have grown to about 50 centimetres the **adult** dogfish are ready to **mate**. (Fully grown dogfish are about 90 centimetres long)



2. The **females** swim into shallow water to lay their **eggs**. Each egg is protected by an

e _ _ _ **c** _ _ _

which is anchored to seaweed by long **tendrils**.

4. When the **juvenile** dogfish

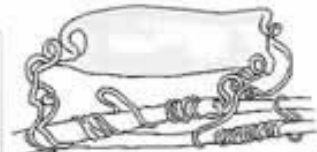
h _ _ _ _

from its egg case, it usually has some of the yolk sac still attached.

The sac shrivels as the young fish begins to feed itself

3. For ten months the little dogfish develops in its eggcase until it is 10cms long, **nourished** by a

y _ _ _ **s** _ _ _



These cases are also called **mermaid's purses**.

Choose an animal in the Sea Zoo, and draw its **lifecycle** here:

This is the lifecycle of a _____

WORKSHEET 7 NAME: _____

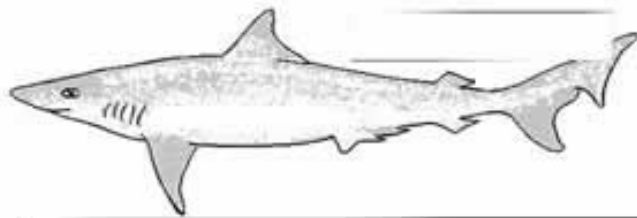


Here are four of the living things you can find in the Sea Zoo.
Use the key to identify and name them.









KEY:

1. It uses the sun's energy to live.

It is seaweed.

OR: It does not use the sun's energy to live.

GO TO PART 2 ...

2. It lives in a shell.

It is a periwinkle.

OR: It takes in oxygen from the water.

GO TO PART 3 ...

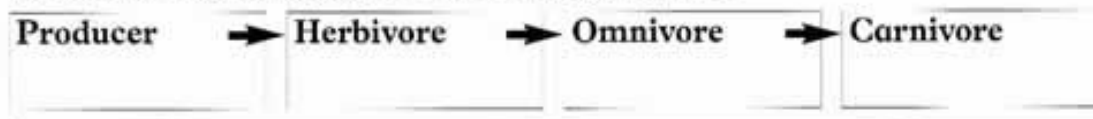
3. Some of these fish can grow more than 15 metres long.

It is a shark.

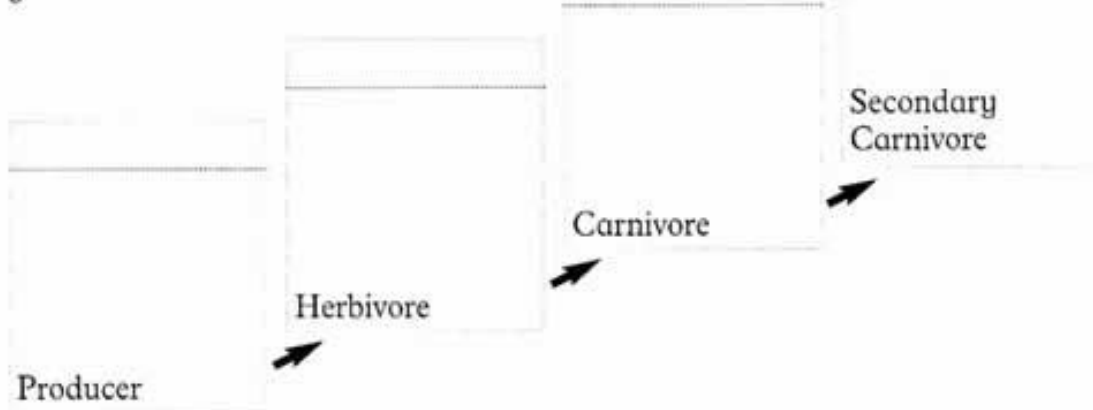
OR: This fish can only grow to half a metre long.

It is a wrasse.

Complete this **food chain** with the names of the four living things you have identified above.



Now make your own food chain with names and pictures of some of the living things you have seen at the Sea Zoo:



WORKSHEET A *Name:* _____



What are GILLS for? _____

What is the LATERAL LINE for? _____

What is a BARBEL for? _____

USING EXAMPLES FROM WHAT YOU CAN SEE IN THE SEA ZOO:

Name five FISH _____

Name four CRUSTACEANS _____

Name three ANEMONES _____

Name two STARFISH _____

COMPLETE THIS FOOD CHAIN

KELP is eaten by _____ is eaten by _____

_____ is eaten by _____ is eaten by SEALS.

DURING A STORM, WAVES CRASH AGAINST THE SHORE.

How do waves affect the shore? _____

Which fish might live amongst the waves? _____

The forces of which two objects control the tides? _____

How often do we have spring tides? _____

DESCRIBE THE WAYS IN WHICH THESE ANIMALS HAVE ADAPTED TO THEIR HABITATS:

A PLAICE (life on the sea bed) _____

A COD (life in murky water) _____

A BLENNY (life in rockpools) _____

An OCTOPUS (life in nooks and crannies) _____

The fish at Anglesey Sea Zoo live in what type of water? _____

How might you test the water to find out? _____

Does the water in which the animals live feel hot or cold? _____

What instrument would you use to measure the temperature? _____

WORKSHEET B *Name:* _____



What makes the sea SALTY? _____

Name four MARINE BONY FISH _____

Name four MARINE CARTILAGINOUS FISH _____

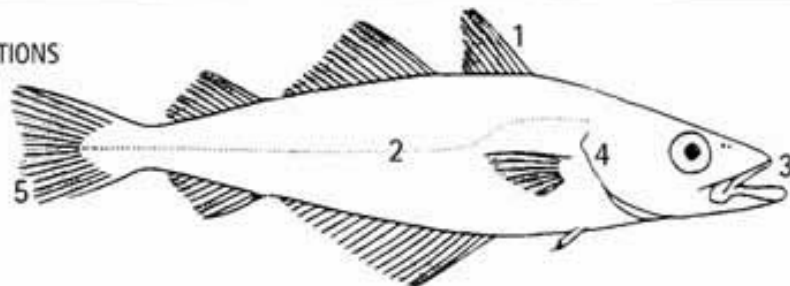
Name four HARD BODIED MARINE INVERTEBRATES _____

Name four SOFT BODIED MARINE INVERTEBRATES _____

Green plants need light to photosynthesize in order to stay alive and healthy.
What do red and brown seaweeds need? _____

If a marine fish tank was kept in a hot room the water would start to evaporate.
Why might fish die before the tank became dry? _____

NAME AND GIVE THE FUNCTIONS OF THESE PARTS OF A FISH



- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____

Most of the tanks in the Sea Zoo are made of glass.
Why is the large curved window made of different material? _____

High tide is never the same on two consecutive days. WHY? _____
