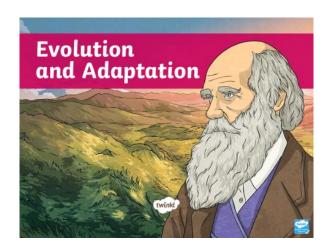
## Topic Support Pack Week 8

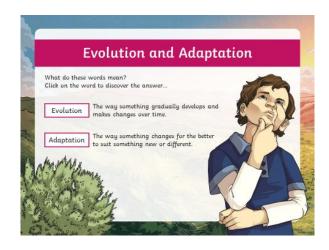
#### Lesson 1 - Rivers

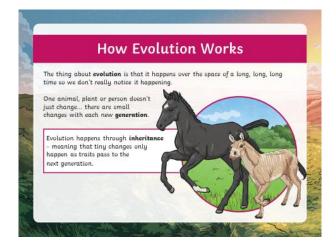
One of your lessons from last week was to create your own cross section of a river - that was a pretty big project! So I am giving you another chance this week to complete it if you wish. Have a look in last weeks topic pack for more information.

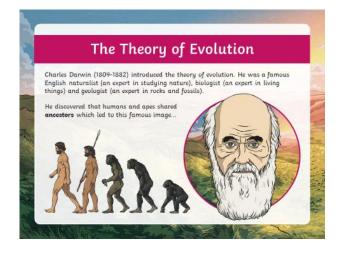
### Lesson 2 - Adaptation

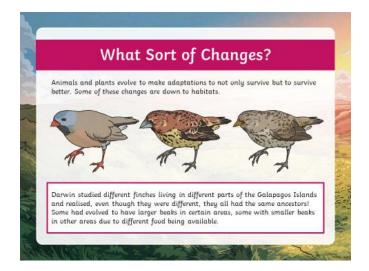
#### Read through the power point slides below

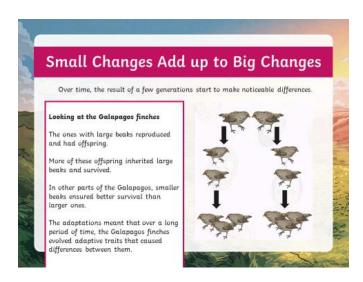


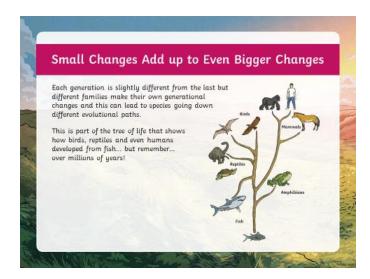












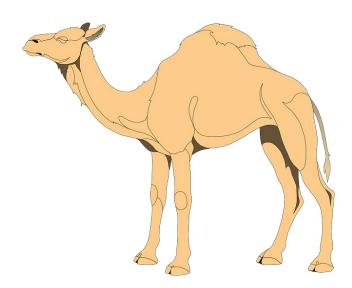
After reading the ppt, can you complete the worksheet below about how 2 animals have adapted to their habitats. Try and think of as many features as you can.

# LO - to know how animals and plants have adapted to survive in different environments.



Polar bears have big, flat paws to help them walk on the snow.

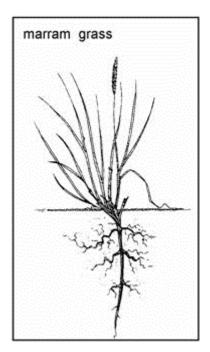
Camels have long eye lashes which help to keep the sand and flies out of their eyes.



# Lesson 3 - Adaptation and Evolution

Can you complete the science SATs questions all about adaptation and evolution.

Marram grass grows in very sandy places.



Explain how the long roots of the marram grass help it to survive in very sandy places.

· K	
	 1 mark

# Q2. Owls

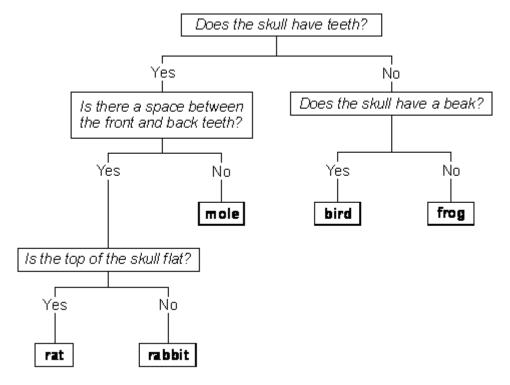
(a) The owl has caught a mouse to feed its young.



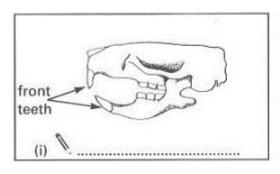
The owl has good hearing for finding prey at night.

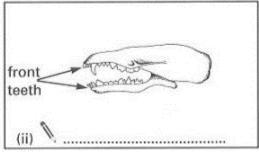
	Look at the picture.			
How else is the owl suited to <b>catching</b> its prey?			to catching its prey?	
"English				1 mark
(b)	Which three	things do <b>all</b>	animals do?	
	Tick <b>THREE</b>	boxes.		
	4			
move		grow		
play		walk		
wash		reproduce		

(c) This key describes the skulls of some small animals that owls eat.



Use the key to identify the skulls shown below.

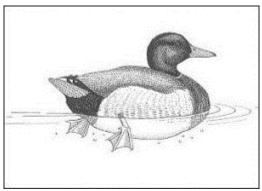


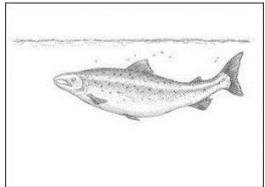


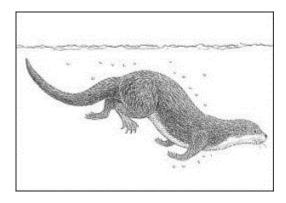
2 marks

## Q3. Freshwater River

(a) These animals live in a freshwater river.







The otter has a strong tail which it uses to push itself through water.

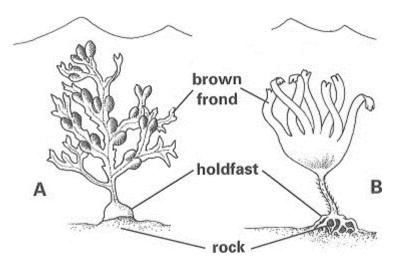
What part of their body do these animals use to push themselves through water?

(i)	duck	A.C.	
			1 mark
(ii)	salmon	4	
			1 mark

(b)	Here is a food chain from the same river.	
	$\textbf{algae} \ (\textit{green plants})  \rightarrow  \textbf{water insects}  \rightarrow  \textbf{salmon}  \rightarrow  \textbf{otters}$	
	Which is the <b>producer</b> in this food chain?	
	Karana da	
	1 m	ark

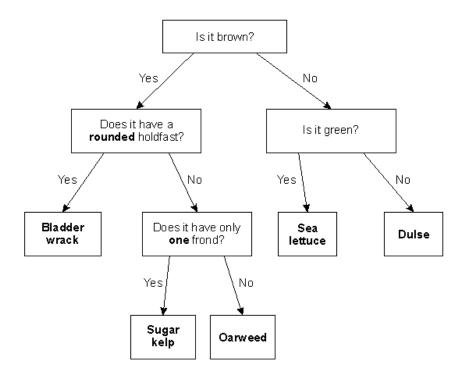
## Q6. Seaweeds

(a) Seaweeds are plants. They live in the sea and on the seashore. Some children are using a key to identify two **brown** seaweeds.



Use the key below to help you name seaweeds  $\boldsymbol{\mathsf{A}}$  and  $\boldsymbol{\mathsf{B}}.$ 

* Court	
A	В



2 marks

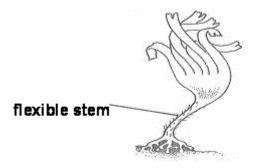
(b) One of the seaweeds on the key is red.

Name the red seaweed.

100	

1 mark

(c) This seaweed has a flexible stem.



Waves pull the seaweed in different directions.

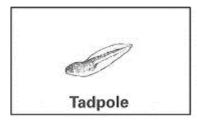
Explain how a **flexible** (bendy) stem helps this seaweed to survive in the sea's waves.

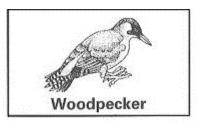
نعرر		
		1 mark
(d)	Seaweed has a holdfast which keeps it in place.	
	Plants that live on land do not have a holdfast.	
	What part of a land-plant keeps the plant in place?	
is a		1 mark
(e)	The seaweed's fronds use light to make food material so that the seaweed grows.	
	What part of a land-plant uses light to make food material?	
4		1 mark
	Animals in their environment	

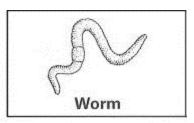
# Q7.

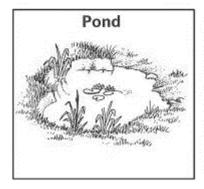
(a) Draw **THREE** lines to match each of these animals to the environment in which it lives.

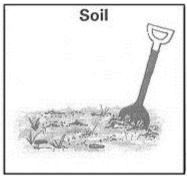


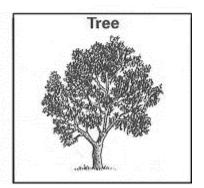




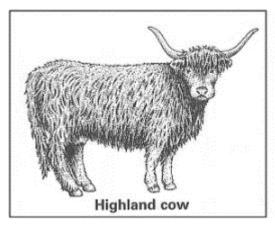


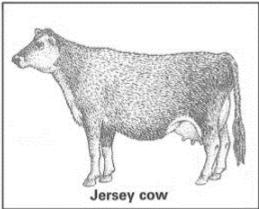






(b) Highland cows look different from other types of cow.





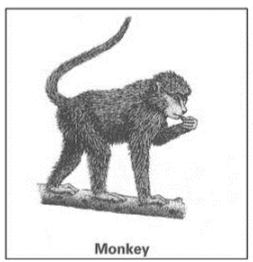
Look at the pictures of the cows.

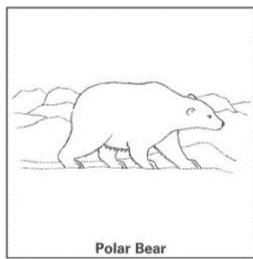
How are Highland cows better protected against cold weather than Jersey cows?

•	

1 mark

(c) These animals live in different environments.





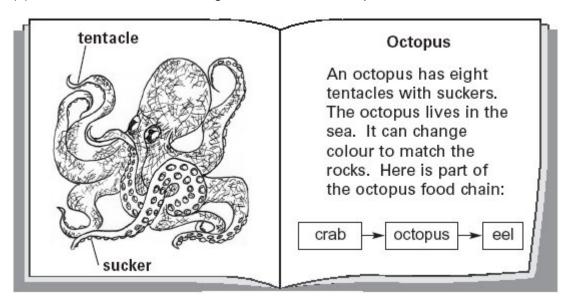
Complete the table below to describe **ONE** feature of a Polar Bear. Say how the feature helps the Polar Bear to live in its environment.

Animal	Lives in	One feature that helps the animal to live in its environment	How the feature helps
Monkey	rainforest	it has a tail	to help it balance
Polar Bear	the Arctic	it has	

1 mark

### Q10. Animals

(a) Some children are reading a book about an octopus.



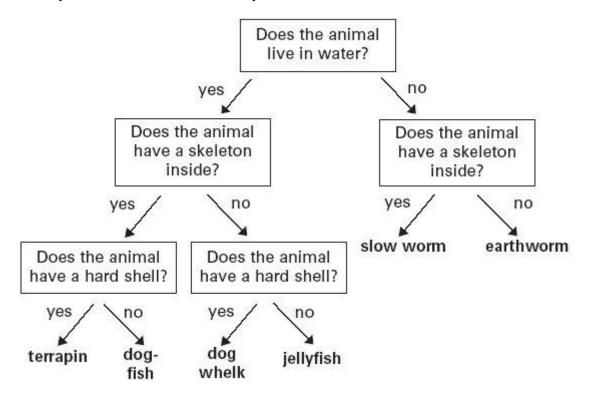
Some animals have sharp claws to catch hold of their prey.

Which feature of the octopus helps it to catch hold of its prey? Use the book to help you.

Execution 1. The second	
	1 mark

(b) How does changing colour to match the rocks help the octopus to **protect** itself?

c) The key below can be used to identify some animals.



Use the information in the key to help you circle the animals in the box below that **do not** have a skeleton inside their bodies.

Circle all the correct answers.



1	
2	
3	
	2 marks
<b>Flamingoes</b> eat brine shrimps. They filter the shrimps from the water. Look at the picture of the flamingo.	
Describe one feature of the flamingo's neck that helps the flamingo to	o feed.
Y.	

(d) Use the key to write **three** facts about a terrapin.

## **EXTENSION:**

Design your own creature to live in a certain habitat. What characteristics would your animal have to help it survive in your chosen habitat?

1 mark