

# Pearl Mussel Project – Biodiversity Education Resource Pack

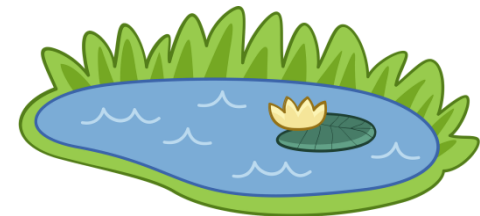
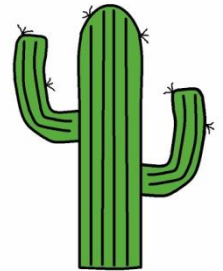
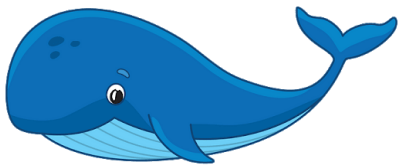
The Pearl Mussel Project have put together some online resources for primary school children to learn about Biodiversity.

It's really simple to use:

1. Read through the story map (trying to remember as much information as possible)
2. Complete the activities (available to download from our website)

If you can't remember some of the answers for the activity sheets you can always go back to the story map again!

Can you draw arrows to match the animal or plant to its habitat?



**Bonus question:** Can you name each habitat?

# Pearl Mussel Project Quiz

1. What is biodiversity?
2. What do we call the environment an animal lives in?
3. Can you name three different types of habitats?
4. What type of habitat does the Freshwater Pearl Mussel live in?
5. Can you think of an adaptation that an animal has to live in a specific environment?
6. What is the difference between a habitat and an ecosystem?
7. What is an ecosystem service?
8. Can you think of two examples of ecosystem services?
9. What ecosystem services do Freshwater Pearl Mussels provide?
10. Can you give an example of something you could do to help protect biodiversity?





We know that areas that have lots of plants and animals, or high biodiversity, are better for the environment, Pearl Mussels, and humans!



Why don't you have a look in your garden or local park and see how many plants and animals you can record?



The total number of plants and animals you count is the level of biodiversity in the area you surveyed.



Some of the plants might not have their flowers yet so you will need to look carefully at the leaves. Don't worry if you don't know the name of the plant or animal you can still record it as one species

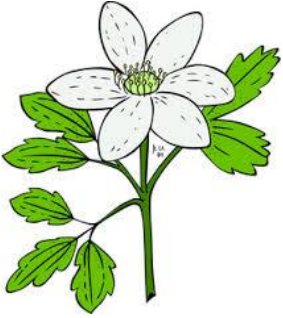


Before you go out to look at the plants in your garden ask for permission – if you can't go outside today maybe you can do it another day instead, or you could even record what you can see from the window!



This survey was carried out by \_\_\_\_\_

on the \_\_\_\_\_ in \_\_\_\_\_



*How many different plants can you count?  
(include trees, grasses, flowers, and mosses)*



*How many different animals can you count?  
(you might want to look at different times over a few days to try and  
count moving animals like birds or butterflies)*

*What is the total number of plants and animals you can see here?*

*What is the most common plant or animal that you found?*

*What ecosystem services are being produced by this area?*

*Can you think of ways to increase the biodiversity of this area?*



# Species Profile: Freshwater Pearl Mussel

## Habitat:

What habitat does the Freshwater Pearl Mussel live in?

## Special environmental requirements:

Are there any special environmental conditions the Freshwater Pearl Mussel needs to be able to survive?

## Adaptations:

What adaptations does the Freshwater Pearl Mussel have to allow it to live in its habitat?

## Role in the ecosystem:

What does the Freshwater Pearl Mussel do? Do other plants and animals rely on it?

## Ecosystem services:

Does the Freshwater Pearl Mussel do/make anything that humans use/need?

Why not do a species profile for another animal or plant and see how different they are from each other!



# Biodiversity Wordsearch

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

biodiversity

habitat

ecosystem

species

interaction

umbrella species

clean water

food

soil

oxygen

pollinator

adaptation

ecosystem services

