

Microhabitats



Aim

- I can identify animals in their habitats.
- I can use information I have gathered to answer a question.

Success Criteria

All Years

- I can find microhabitats.
- I can identify and name the minibeasts I find there.

Year 2

- I can record information about minibeasts in a table.
- I can present my results in a pictogram.
- I can use my findings to compare 2 microhabitats.

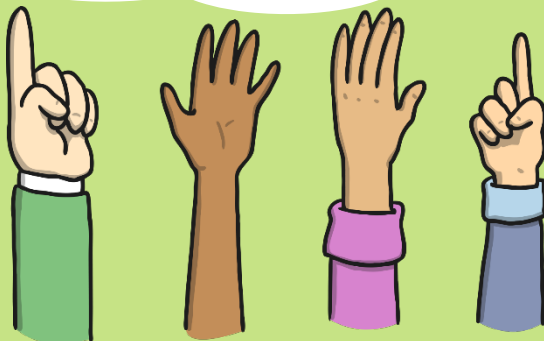
Microhabitats and Minibeasts

We have been learning about the different habitats where living things make their homes.

Some of these habitats are very big, like a woodland. Some habitats are very small; we call these microhabitats.

A large habitat contains many microhabitats. A microhabitat can be as small as a fallen branch or the space under a stone.

What microhabitats did we find in our local habitat?



Microhabitats and Minibeasts

Here are some different microhabitats you might have found in the local environment.



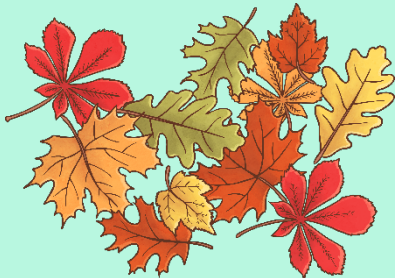
Under stones and rocks.



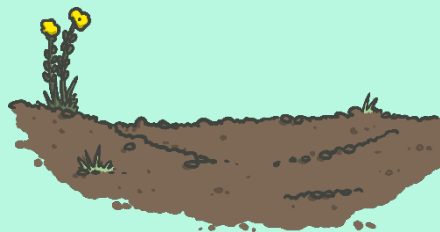
In short grass.



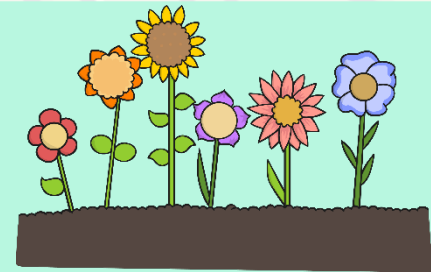
Inside rotting wood.



Under fallen leaves.



In and on the soil.



In tall grass and flowers.

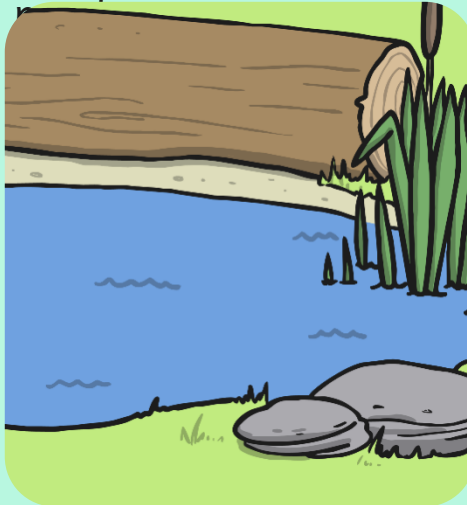
Microhabitats and Minibeasts

A minibeast is a small creature like an insect, a worm or a spider.

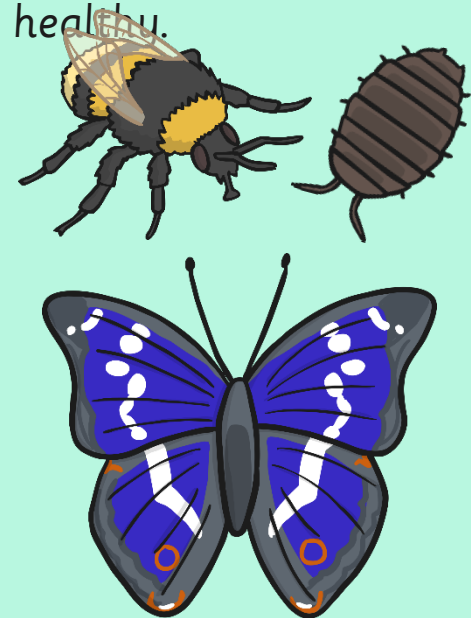
Many different minibeasts live in many different microhabitats.



They are suited to live in that microhabitat as they can find the food, water and shelter they



Minibeasts help to keep the microhabitat healthy.



Microhabitats and Minibeasts

Caterpillar



Caterpillars like to live on top of and underneath leaves.

This is so they can use their camouflage and blend into the leaf.

This helps to protect them so that they are not easily seen by predators.

Microhabitats and Minibeasts

Ants



Ants mostly live underground in big families.

There are lots of insects to eat underground.

Ants don't have ears. Ants hear by feeling vibrations in the ground through their feet.

Photo courtesy of Bob Peterson (@flickr.com) - granted under creative commons licence - attribution

Microhabitats and Minibeasts

Worms



Worms like to live anywhere there is soil.

They like to eat dead leaf matter and they need the soil to be moist.

Worms help to keep soil healthy by digging tunnels that let air and water in.

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Microhabitats and Minibeasts

Spider



Spiders can live in just about any habitat.

When the weather gets colder they have to find shelter.

Their body colours help them to blend in and they build webs to catch insects to eat.

Photo courtesy of Jonathan Leung (@flickr.com) - granted under creative commons licence - attribution

Microhabitats and Minibeasts

Ladybirds



During the summer ladybirds like to live in shrubs, branches and flowers.

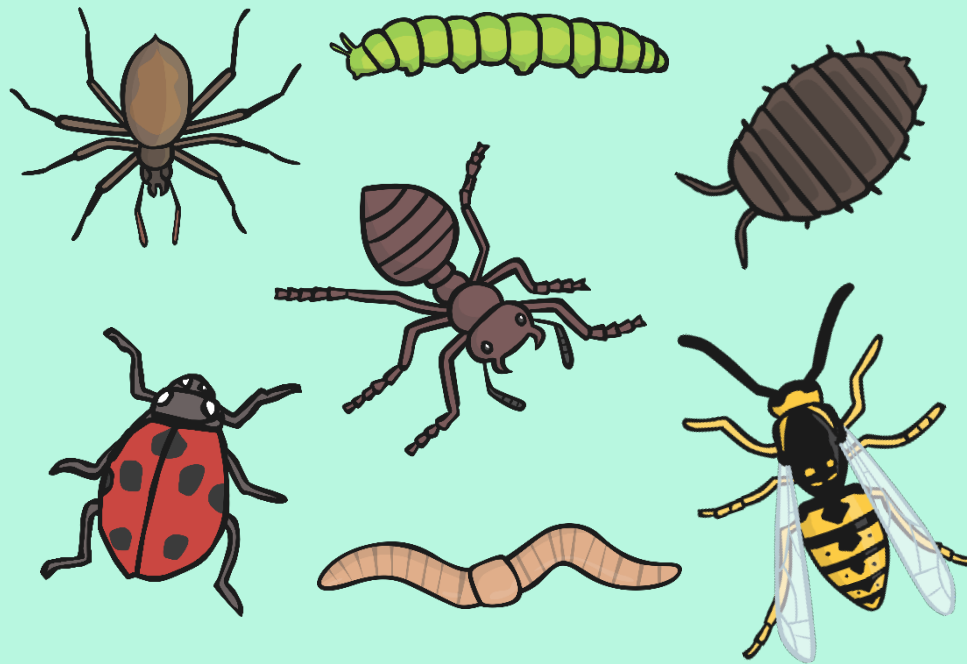
When the weather gets cold they hide in tree stumps, under rocks and under leaves.

Ladybirds huddle together to keep warm and hibernate until spring.

Photo courtesy of quisnovas (@flickr.com) - granted under creative commons licence - attribution

Microhabitats and Minibeasts

Did you see any of these minibeasts in the local habitat?



What other
minibeasts
can you
think of?



Microhabitats Enquiry



How could we answer this question?



Do all minibeasts like living in the same microhabitats?

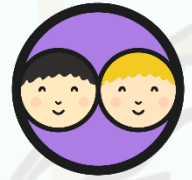
Microhabitats Enquiry

We are going to try to answer the question by finding microhabitats in the local environment and counting the different minibeasts we find there.



Do all minibeasts like living in the same microhabitats?

In Lesson 2, you explored a local habitat.
Can you remember what you found?



Did you go into an urban, woodland or pond habitat? Do you think there were any **microhabitats** in the local habitat you explored?

Can you see any
microhabitats?

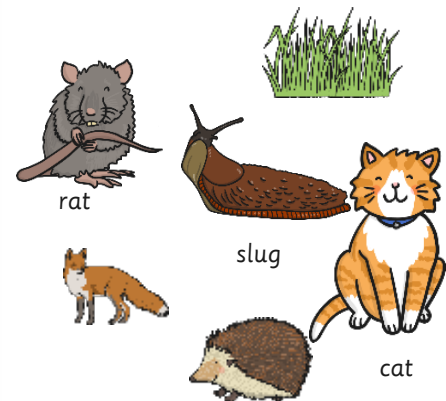
Draw a map of the local habitat.
Draw the trees and plants, and any animal homes that you find.

Urban Habitat

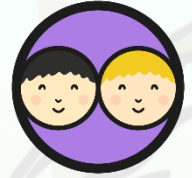


What kind of habitat is it?

Draw and label any animals you see.



Microhabitats Location



You are going to look closely at two different microhabitats.
Draw each microhabitat carefully and write a sentence to describe what it is like.

Is it dry,
hard and
dusty?

Is it soft,
damp and
muddy?

Date: _____

L.O. To explore two microhabitats within your locality

Microhabitat 1: _____

Draw a picture of your microhabitat.

Write a sentence to describe your microhabitat:

Microhabitat 2: _____

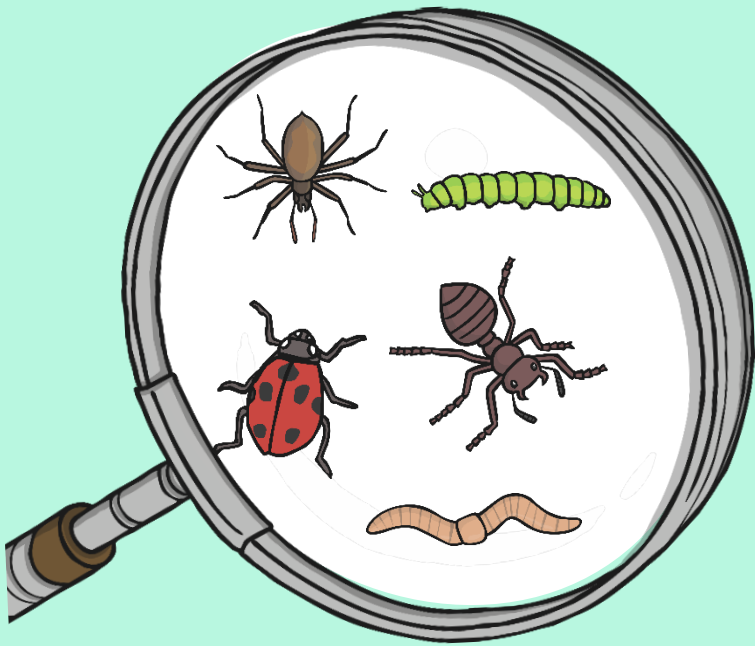
Draw a picture of your microhabitat.

Write a sentence to describe your microhabitat:

Word bank: dry. dusty muddy leafy woody hard soft springy grassy light dark big small

Microhabitats Survey

Next you need to look very closely at each microhabitat and count up each kind of minibeast that you find there.










Microhabitats Survey

Microhabitats Enquiry - Survey

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Look carefully at your two habitats. Count up the number of each kind of minibeast that you find there.

Minibeast	Habitat 1	Habitat 2
Woodlouse		
Slug		
Look carefully at your two habitats. Count up the number of each kind of minibeast that you find there.		
Minibeast	Habitat 1	Habitat 2
Woodlouse 		
Slug 		
Snail 		
Spider 		
Beetle 		
Fly 		
Wasp 		
Other		

Microhabitats Enquiry - Survey















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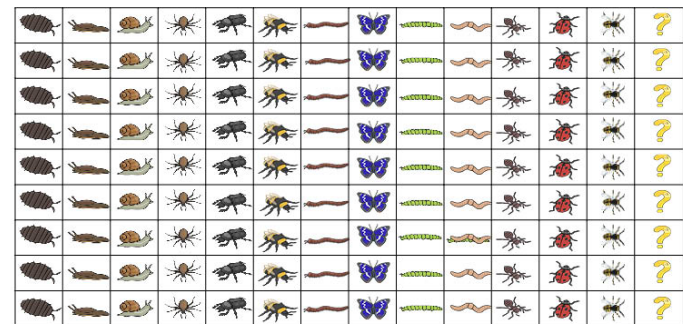
Look carefully at your two habitats. Count up the number of each kind of minibeast that you find there.

Minibeast	Habitat 1	Habitat 2
Woodlouse 		
Slug 		
Snail 		
Spider 		
Beetle 		
Fly 		
Bee 		
Millipede 		
Butterfly 		
Caterpillar 		
Worm 		
Ant 		
Ladybird 		
Wasp 		
Other 		

After watching Wednesday's Maths lesson on pictograms, can you have a go at using the data you have collected to create a pictogram (or tally chart!) of what you found?

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8																							
7																							
6																							
5																							
4																							
3																							
2																							
1																							
																							
	Woodlouse	Slug	Snail	Spider	Beetle	Bee	Millipede	Butterfly	Caterpillar	Worm	Ant	Ladybird	Wasp	Other									



Microhabitats Conclusion



Work with your home helper.



Look at your habitat drawings and descriptions.

What were your two microhabitats like?

Look closely at both pictograms.

Did your two habitats have different kinds of minibeasts?
Can you suggest why?