

We're going on a bug hunt!

The Bug Hunt

- 1. Choose a good place to explore this could be in your garden, the local park or in and under your outdoor plant pots.
- 2. Have you equipment ready with you:
 - a. Invertebrate Spotting Sheet & pencil
 - b. Invertebrate Classification Key
 - c. Invertebrate Summary Cards
 - d. Plastic spoons and clear bug pots or clear tupperware (optional)
- 3. Move slowly through the area, searching for invertebrates. The best places to check are under stones and logs, in the cracks of trees, and at the base of long grass.
- 4. If you need to get a closer look at an animal to identify it, use the spoons to **gently** pick it up and place it into the bug pot or tupperware, then use the Classification Key to identify it.
 - Make sure you put the animal back where you found it!
- 5. **EXTRA TIP** lay a white sheet or pillowcase under a bush or tree and shake the branches to see what creatures fall out!
- 6. Record each species you find on your Invertebrate Spotting Sheet, including how many you found and what microhabitat they were in.

The Discussion—answer the following:

- 1. Did you find the same number of each animal? Why do you think that is?
- 2. Why were different animals found in different *microhabitats*? For example, butterflies eat the nectar of flowers, woodlice like damp, dark places.
- 3. What would happen if all the plants were taken away in this area?
- 4. MATHS EXTRA: Fill in the provided worksheet to explore your findings further.

Extension

1. Try repeating the Bug Hunt in a different type of area, like a woodland or a field, and comparing the invertebrates you find.

KS2

Invertebrate Spotting Sheet

orate Spotting Sh

Names:

Class:

Location:

ZSL LONDON ZOO WHIPSNADE ZOO

What it looked like	(description/drawing)	Red body with black spots				
Type of invertebrate	(classification)	Insect				
How many we saw	(abundance)	4				
Where we saw it	(microhabitat)	usng wo				
What we saw	(species)	Ladybírd				

KS2 ZSL LONBON ZOO WHIPSNABE ZOO

What we saw	Where we saw it	How many we saw	Type of invertebrate	What it looked like
(species)	(microhabitat)	(abundance)	(classification)	(description/drawing)



Maths extra

1. By counting the number of different species seen from each invertebrate group, complete column A in the below table:

	Α	В
Invertebrate Group	Number of species seen	Percentage of total number of species
Insects		
Molluscs		
Arachnids		
Worms		
Crustaceans		
Myriapods		
TOTAL:		100

2. Use the following equation to work out what percentage of the total number of species seen belong to each group and fill in column B.

(Number of species seen from the group (A) ÷ Total number of species found) x 100

Insects

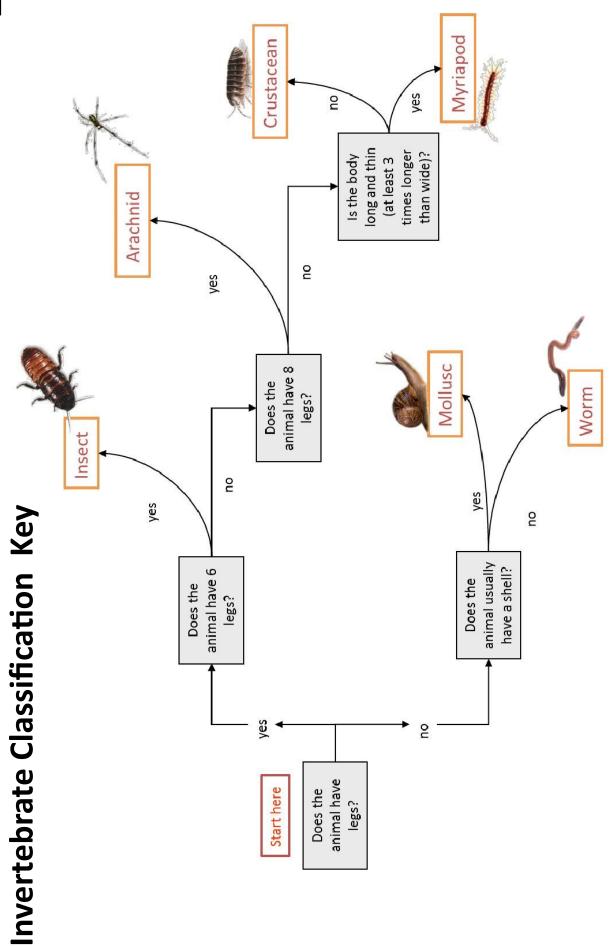
Insects

Myriapods

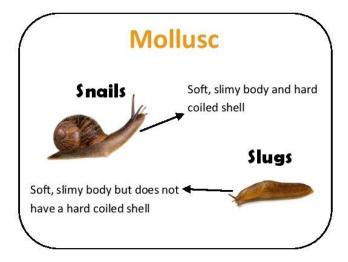
- 3. Use the percentages to fill in the pie chart showing the percentage of different invertebrate groups in your study area.
- ☐ Molluscs
 ☐ Arachnids
 ☐ Worms
 ☐ Crustaceans
 ☐ Myriapods
- 4. This pie chart shows the percentage of different invertebrate groups found across the world. Why might this be different from your pie chart?

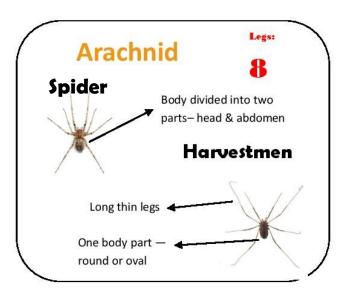
MolluscsArachnidsWormsCrustaceans

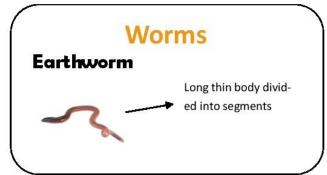
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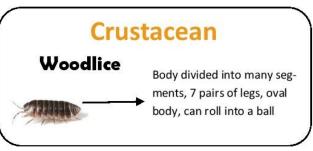


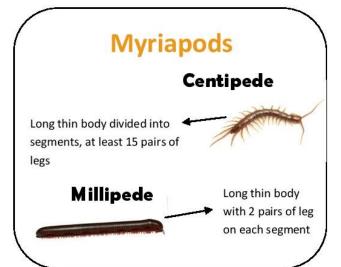
Invertebrate summary cards

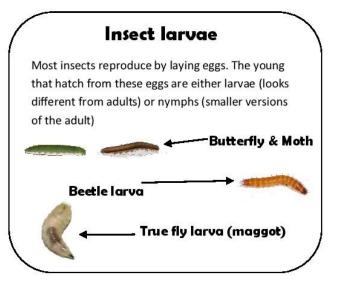














Insects

