

# Activity—We're going on a bug hunt!

## **Teaching Instructions:**

### The Bug Hunt

- 1. Select an area to visit—maybe the school grounds or an area in a local park.
- 2. Put students into pairs or small groups and equip them with:
  - a. Invertebrate Spotting Sheet
  - b. Invertebrate Classification Key
  - c. Invertebrate Summary Cards
  - d. Plastic spoons and clear bug pots or clear tupperware (optional)
- 3. Instruct students to move slowly through the area, searching for invertebrates. The best places to check would be under stones and logs, in the cracks of trees and at the base of long grass!
- 4. If they need to get a closer look at an animal to work out what it is, they can use the spoons to gently pick it up and pace it into the bug pot or tupperware so that they can use the Classification Key to identify it.
  - Make sure they put the animal back where they found it!
- 5. **EXTRA TIP** lay a white sheet or pillowcase under a bush or tree and shake the branches to see what falls out!
- 6. Groups should record each species they find on their Invertebrate Spotting Sheet, including how many they found and what microhabitat it was in.

### The Discussion

- 1. Run through which animals were found and where they were found.
- 2. Discuss why different animals were found in different *microhabitats* butterflies eat the nectar of flowers, woodlice like damp, dark places etc.
- 3. MATHS EXTRA: Get pupils to fill in the provided worksheet exploring their findings.

### **Extension**

1. Consider repeating the Bug Hunt on in a different type or area and comparing the invertebrates found—e.g. woodland vs. field.

# Invertebrate Spotting Sheet

Date: Names:

Class:

Location:

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)
Ladybírd	On a bush	4	Insect	Red body with

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



# We're going on a bug hunt! - Maths

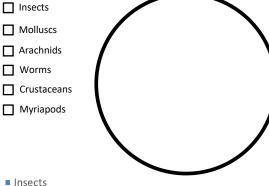
1. By adding counting the number of different species seen from each invertebrate group, complete column A in the below table:

	А	В
Invertebrate Group	Number of species seen	Percentage of total number of species
Insects	2.	
Molluscs		
Arachnids		
Worms		
Crustaceans		
Myriapods	R	
TOTAL:		100

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

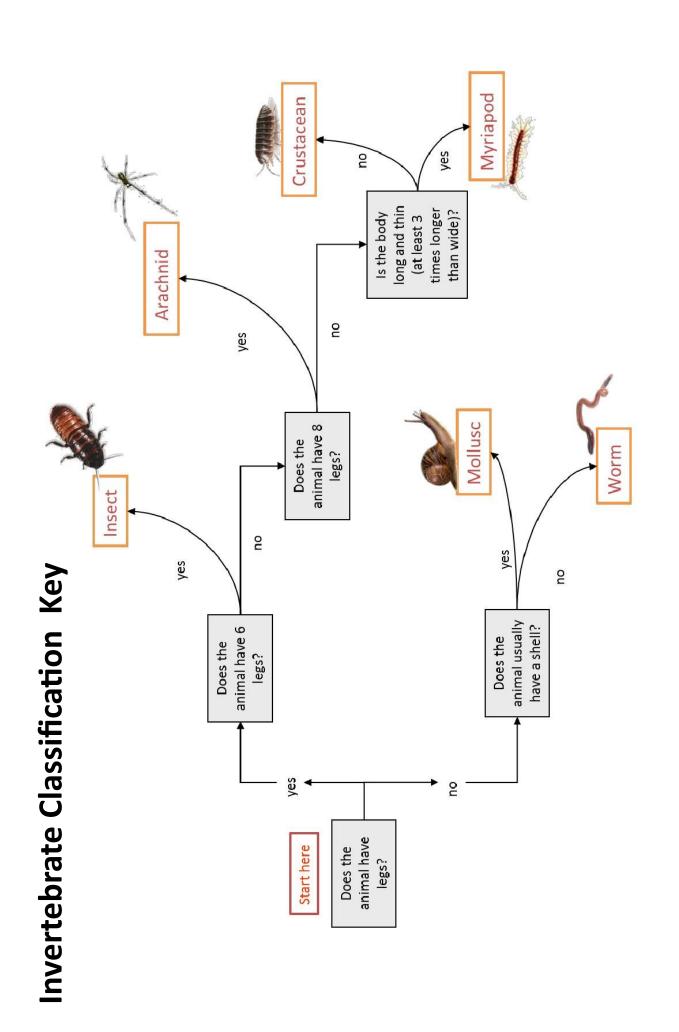
(Number of species seen from the group (A) ÷ Total number of species found) x 100

3. Use the percentages to fill in the pie chart showing the percentage of different invertebrate groups in your study area.

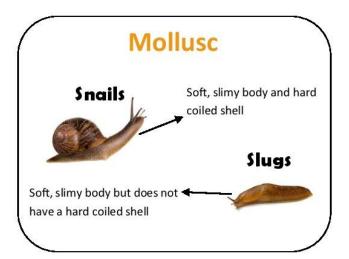


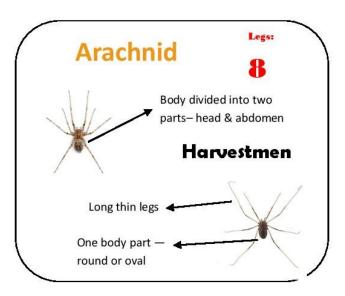
4. This pie chart shows the percentage of different invertebrate groups found across the world. Why might this be different from your pie chart?

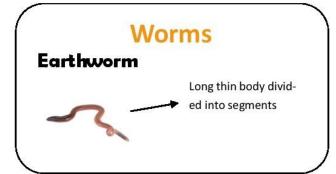
Insects	
Molluscs	
Arachnids	
■ Worms	
■ Crustaceans	
Myriapods	

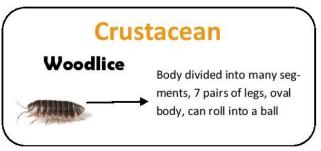


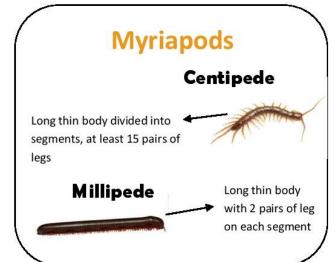
# Invertebrate summary cards

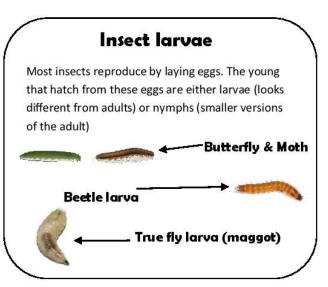












# **Insects**

