

Name _____ Class _____

You are going to investigate how woodlice find their food. Woodlice feed on rotting leaves and wood.

Prediction

Where are rotting wood and leaves found? _____

Are the conditions there dry or damp, light or dark? _____

What do you think will happen to woodlice who are given the choice of either damp or dry conditions? Make a prediction. _____

P

Apparatus

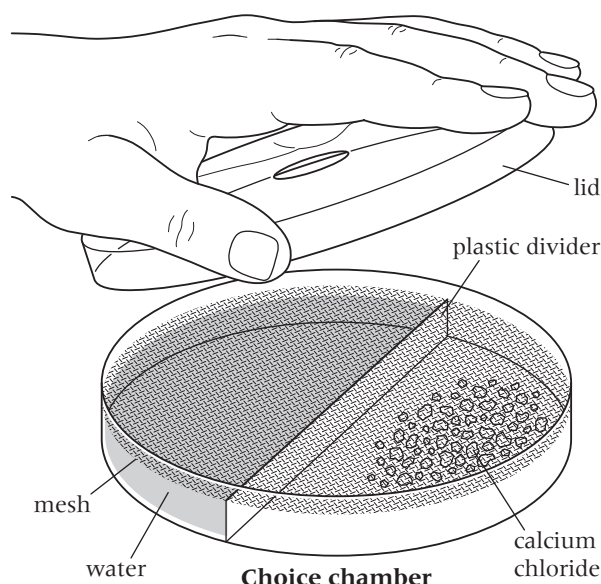
- Choice chamber
- Calcium chloride
- Water
- Woodlice



**Calcium chloride is harmful.
Do *not* touch it.
If you spill any tell your
teacher at once.
Wash your hands after
touching woodlice or
any chemicals.**

Method

- 1 Decide how many woodlice you will use.
- 2 Take the bottom half of the choice chamber. Put a layer of calcium chloride in one half.
- 3 Put a layer of water in the other half.
- 4 Place the mesh on top and push the lid on.
- 5 Add the woodlice through the hole in the centre of the choice chamber.
- 6 Count how many woodlice are in each half of the chamber every 5 minutes.



How many woodlice did you use? _____

Which two conditions are you testing? _____

What does the calcium chloride do? _____

Recording your results

Write your results in this table.

Time after adding woodlice	Number of woodlice in damp half	Number of woodlice in dry half

Considering your results/conclusions

Which conditions do woodlice prefer? _____

How does this help them find their food? _____

Does this agree with your prediction? _____

If not, try to explain why you got the results you did. _____

Evaluation

How might you do another investigation to see whether woodlice prefer dark or light areas? _____

S **planning, observing, considering, evaluating**