

## KS1 Science Quiz - Investigating - Minibeasts (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Science for children aged 5 and 6 in years 1 and 2. Specifically this quiz is aimed at the section dealing with Investigating.

This quiz is all about one simple experiment. It looks at one type of minibeast. A class at school wants to find out where woodlice like to live. The children are in groups of four. Each group gathers twenty woodlice from under a log to use in their experiment. They use a choice chamber to investigate. They do simple experiments with the choice chambers. Can you help them do a really good investigation?

1. It takes time to do the experiments. Where should the children keep the woodlice between experiments?



- In a damp, airy box with leaf litter
- On their desks
- In a dry, plastic container above a radiator
- In their pockets

2. Josh has a choice chamber. It is divided into four. One part he leaves empty. What should he do with the other three?



- Put a little water into one of them
- Cover one in card to make it dark
- Put a few leaves into one of them
- Do all three of these things

3. Kim helps Josh with his experiment. They put the twenty woodlice into the choice chamber. What should they do?



- Shake the choice chamber about
- Leave the woodlice for one minute
- Leave the woodlice for ten minutes
- Tip up the choice chamber

4. Ryan is going to get the results. What should he do?



- Count how many woodlice are in the empty chamber
- Count how many woodlice are in the wet chamber
- Count how many woodlice are in each chamber
- See where the biggest woodlouse has gone

5. Joe is going to write down the results. What should he do?



- Draw a table with four columns
- Write each one on a scrap of paper
- Draw a table with two columns
- Keep them in his head

6. How can they display their results?



- On a display on a board
- On a computer
- With drawings of the four chambers
- In all of these ways

7. How can they tell other people about their results?



- By talking to people
- By emailing their results
- By writing about their results
- By doing all three of these things

8. Josh says he thinks they should repeat the experiment. Why does Josh think they should repeat the experiment?



- Because it isn't home time yet
- Because he doesn't like their results
- Because he likes investigating woodlice
- Because he wants to check if the woodlice do the same thing again

9. They decide to repeat the experiment. Kim says he thinks they should use the same 20 woodlice. But Joe says they should use a fresh group of 20 woodlice. Why does Joe say this?



- Because the first 20 woodlice may have learned where to go
- Because he wants to collect more woodlice
- Because it's fun looking under logs
- Because Kim is always wrong

10. What should the children do with the woodlice after they have finished their experiments?



- Carefully put them back where they came from
- Put them in the bin
- Wash them down the sink
- Take them home with them

## KS1 Science Quiz - Investigating - Minibeasts (Answers)

1. It takes time to do the experiments. Where should the children keep the woodlice between experiments?



- In a damp, airy box with leaf litter
- On their desks
- In a dry, plastic container above a radiator
- In their pockets

Look after minibeasts like woodlice

2. Josh has a choice chamber. It is divided into four. One part he leaves empty. What should he do with the other three?



- Put a little water into one of them
- Cover one in card to make it dark
- Put a few leaves into one of them
- Do all three of these things

If Josh does all three, he will then give the woodlice lots of choices

3. Kim helps Josh with his experiment. They put the twenty woodlice into the choice chamber. What should they do?



- Shake the choice chamber about
- Leave the woodlice for one minute
- Leave the woodlice for ten minutes
- Tip up the choice chamber

The woodlice need time to find their way around and decide where they like best

4. Ryan is going to get the results. What should he do?



- Count how many woodlice are in the empty chamber
- Count how many woodlice are in the wet chamber
- Count how many woodlice are in each chamber
- See where the biggest woodlouse has gone

Ryan will have to lift the lid very carefully so as not to disturb the woodlice



5. Joe is going to write down the results. What should he do?



- Draw a table with four columns
- Write each one on a scrap of paper
- Draw a table with two columns
- Keep them in his head

Joe needs a table with four columns because there are four different chambers for the woodlice to choose

6. How can they display their results?



- On a display on a board
- On a computer
- With drawings of the four chambers
- In all of these ways

All these are good ways of displaying their results

7. How can they tell other people about their results?



- By talking to people
- By emailing their results
- By writing about their results
- By doing all three of these things

Yes, there are lots of different ways of telling people about your results

8. Josh says he thinks they should repeat the experiment. Why does Josh think they should repeat the experiment?



- Because it isn't home time yet
- Because he doesn't like their results
- Because he likes investigating woodlice
- Because he wants to check if the woodlice do the same thing again

Repeating an experiment is always a good idea, if there is time

9. They decide to repeat the experiment. Kim says he thinks they should use the same 20 woodlice. But Joe says they should use a fresh group of 20 woodlice. Why does Joe say this?



- Because the first 20 woodlice may have learned where to go
- Because he wants to collect more woodlice
- Because it's fun looking under logs
- Because Kim is always wrong

In this case, it is a good idea to use new woodlice

10. What should the children do with the woodlice after they have finished their experiments?



- Carefully put them back where they came from
- Put them in the bin
- Wash them down the sink
- Take them home with them

Minibeasts are living things - treat them nicely