

KS1 Science Quiz - Investigating - Simple Tests (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 using simple tests to investigate.

How can you answer questions in science? Some questions are too hard for you to answer but some are more simple. Where will you look for answers? How will you investigate your ideas? How can you test different materials? What can you use? There is often more than one way of answering a question in science. Using books and the internet to investigate is a good thing, but it is even better to do simple tests to find out for yourself, if you can.

1. 'How do camels survive the heat of the Sahara Desert?' How could you find out at school?



- Heat sand on a tray
- Look it up in a book or on the internet
- Look in an atlas
- Filter sandy water into a beaker

2. Anna has three materials: glass, polythene and wax. 'Which material is the clearest?' How can Anna find out?



- Run water over them
- Shine a light through them
- Weigh them
- Look in a book or on the internet

3. A class at school want to find out which habitat centipedes like best. They decide to look in different places.

They look under a large stone, in leaf litter, under a log, and under a hedge.

What should they count?



- The number of mini-beasts
- The number of centipedes
- The number of woodlice
- The number of beetles

4. Jack asks, 'What is the best temperature to grow seeds?'

Jack puts the same seeds into four different pots.

He puts each pot in a different place. Which four places would be best?



- On his table, on his friend's table, in a fridge, in a freezer
- Above a radiator, on his table, in the fridge, in a freezer
- Above a radiator, above another radiator, on a window sill, in a freezer
- On four tables round his classroom

5. 'Where do jaguars live?' How can you find out?



- Look outside school
- Look in different places
- Look in a book or on the internet
- Watch a computer game

6. Freddie asks, 'When do frogs lay spawn?' How can Freddie find out?



- Check his local pond every week
- Look it up in a book about frogs
- Search for frogs on the internet
- Use all three of the ways above

7. Jacob wants to know which lumps of play dough are heaviest? What can he do?



- Hold them in his hands
- Measure how far across they are
- Use a balance
- See which one rolls furthest

8. Toni is doing an investigation in her class. She wants to know which is the most popular colour in the rainbow.

Toni paints this picture. Then she asks people: 'Which colour in the rainbow do you like best?'

Who should she ask?



- Only her friends
- One or two people
- Only the teacher and her friends
- Everyone in the class

9. Natasha is keeping a weather diary. How can she record how much cloud there is every day?



- Count the number of clouds
- Write down the fraction of the sky covered by cloud
- Write down the colour of the clouds
- Write down how often it rains

10. Harry is building a model bridge. Should he use wood, metal or plastic? Which will be strongest? How can he find out?



- Test them with weights
- See if he can stretch them
- See if they burn
- See if he can shine a light through them

KS1 Science Quiz - Investigating - Simple Tests (Answers)

1. 'How do camels survive the heat of the Sahara Desert?' How could you find out at school?



- Heat sand on a tray
- Look it up in a book or on the internet
- Look in an atlas
- Filter sandy water into a beaker

This one you will have to look up!

3. A class at school want to find out which habitat centipedes like best. They decide to look in different places.

They look under a large stone, in leaf litter, under a log, and under a hedge.

What should they count?



- The number of mini-beasts
- The number of centipedes
- The number of woodlice
- The number of beetles

Mini-beasts live in micro-habitats

2. Anna has three materials: glass, polythene and wax. 'Which material is the clearest?' How can Anna find out?



- Run water over them
- Shine a light through them
- Weigh them
- Look in a book or on the internet

Anna needs to do an experiment to find out.

4. Jack asks, 'What is the best temperature to grow seeds?'

Jack puts the same seeds into four different pots.

He puts each pot in a different place. Which four places would be best?



- On his table, on his friend's table, in a fridge, in a freezer
- Above a radiator, on his table, in the fridge, in a freezer
- Above a radiator, above another radiator, on a window sill, in a freezer
- On four tables round his classroom

Always ask before putting anything like pots or soil in a fridge or freezer!

5. 'Where do jaguars live?' How can you find out?



- Look outside school
- Look in different places
- Look in a book or on the internet
- Watch a computer game

Jaguars live in Central and South America

6. Freddie asks, 'When do frogs lay spawn?' How can Freddie find out?



- Check his local pond every week
- Look it up in a book about frogs
- Search for frogs on the internet
- Use all three of the ways above

All three ways help Freddie to find out.

The frog in the picture is the red poison dart frog from Costa Rica

7. Jacob wants to know which lumps of play dough are heaviest? What can he do?



- Hold them in his hands
- Measure how far across they are
- Use a balance
- See which one rolls furthest

A see-saw is a balance

8. Toni is doing an investigation in her class. She wants to know which is the most popular colour in the rainbow.

Toni paints this picture. Then she asks people: 'Which colour in the rainbow do you like best?'

Who should she ask?



- Only her friends
- One or two people
- Only the teacher and her friends
- Everyone in the class

The more people Toni asks, the better her results will be

9. Natasha is keeping a weather diary. How can she record how much cloud there is every day?



- Count the number of clouds
- Write down the fraction of the sky covered by cloud
- Write down the colour of the clouds
- Write down how often it rains

What fraction of the sky in the picture is covered by cloud?

10. Harry is building a model bridge. Should he use wood, metal or plastic? Which will be strongest? How can he find out?



- Test them with weights
- See if he can stretch them
- See if they burn
- See if he can shine a light through them

Which do you think will be the strongest?