

## KS1 Science Quiz - Investigating - Whose Plant Will Grow Best? (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, for example, what makes plants grow.

This quiz is about an investigation by a class at school into what makes plants grow. They want to find out what is needed to help plants to grow. Every person in the class has to decide what they are going to change. The class are going to use tomato plants for their investigation. The teacher buys 50 tomato plants in April. All the tomato plants are the same to start with. Whose tomato plant will grow best, and why? What makes plants grow?

1. Maria's Mum was frying tomatoes. She asked Maria, 'What do tomatoes need to grow?' What did Maria say?



- Light
- Water
- Warmth
- Light, water and warmth

2. Alex asks, 'Does the light have to come from the sun?' What should Alex do with his two tomato plants?



- Shine a torch on the plants
- Grow both of them in the classroom
- Put one on a sunny windowsill. Put the other one under a lamp
- Put one on a sunny windowsill. Put the other one in a greenhouse

3. Chloe grew her tomato plants outside. They had yellow flowers. What did Chloe see around the flowers?



- Woodlice
- Bees
- Snails
- Ladybirds

4. Lucy asked, 'What is the biggest tomato I can grow?' She had one tomato plant. She looked after it really well. It had twelve tomatoes on it. They all ripened and went red. How did she find out which was the biggest tomato?



- Lucy ate the tomatoes
- Lucy looked at the tomatoes
- Lucy weighed the tomatoes
- Lucy used a magnifying glass

5. Dylan asks, 'Do plants grow towards the light?' Dylan has two tomato plants. How can he test this?



- Put both plants on a sunny windowsill
- Put one plant in a dark cupboard, and one plant on a sunny windowsill
- Put both plants on a windowsill. Turn one plant every day, but not the other
- Put one plant in a greenhouse and one outside

6. Jack asks, 'Do plants need water to grow?' Jack has two tomato plants. What should he do?



- Keep both dry
- Water one plant but not the other
- Water both plants
- Water both plants only when they are dry

7. Sunil asks, 'Do plants grow better when it is warm?' Sunil has two tomato plants. What should Sunil do?



- Grow both plants on a windowsill. One plant above a radiator, and the other away from the radiator
- Grow both plants on a windowsill. Put both plants above the radiator
- Grow one plant in a dark cupboard and one plant on a windowsill
- Grow both plants in a greenhouse where it is warm

8. Ellie watered her two tomato plants every day. But they stopped growing and died. Ellie was upset. What had Ellie done wrong?



- Ellie had watered both tomato plants
- Ellie had only watered them once a day
- Ellie had given the tomato plants too much water
- Ellie forgot to water them one day

9. Katie wanted to find out what type of soil tomato plants like best. Katie had three tomato plants. She planted one in compost, one in stony soil, and one in sandy soil. What should she do then?



- Put one in a sunny place, one in a cool place, and one in a dark place
- Put all three in a sunny place
- Put two of them in a sunny place, and one in a dark place
- Put all three in a dark place

10. Stella asks, 'Do plants need sunlight to grow?' She has two tomato plants. Where should she put them?



- One on a windowsill and one outside
- One on a windowsill and one in a cupboard
- One outside and one in a greenhouse
- One in a greenhouse and one on a windowsill

## KS1 Science Quiz - Investigating - Whose Plant Will Grow Best? (Answers)

1. Maria's Mum was frying tomatoes. She asked Maria, 'What do tomatoes need to grow?' What did Maria say?



- Light
- Water
- Warmth
- Light, water and warmth

What do you need to grow?

2. Alex asks, 'Does the light have to come from the sun?' What should Alex do with his two tomato plants?



- Shine a torch on the plants
- Grow both of them in the classroom
- Put one on a sunny windowsill. Put the other one under a lamp
- Put one on a sunny windowsill. Put the other one in a greenhouse

What do plants need to make their own food?

3. Chloe grew her tomato plants outside. They had yellow flowers. What did Chloe see around the flowers?



- Woodlice
- Bees
- Snails
- Ladybirds

Why are the flowers a bright yellow colour?

4. Lucy asked, 'What is the biggest tomato I can grow?' She had one tomato plant. She looked after it really well. It had twelve tomatoes on it. They all ripened and went red. How did she find out which was the biggest tomato?



- Lucy ate the tomatoes
- Lucy looked at the tomatoes
- Lucy weighed the tomatoes
- Lucy used a magnifying glass

What did Lucy use to weigh the tomatoes?

5. Dylan asks, 'Do plants grow towards the light?' Dylan has two tomato plants. How can he test this?



- Put both plants on a sunny windowsill
- Put one plant in a dark cupboard, and one plant on a sunny windowsill
- Put both plants on a windowsill. Turn one plant every day, but not the other
- Put one plant in a greenhouse and one outside

Why do plants like to grow towards the light?

7. Sunil asks, 'Do plants grow better when it is warm?' Sunil has two tomato plants. What should Sunil do?



- Grow both plants on a windowsill. One plant above a radiator, and the other away from the radiator
- Grow both plants on a windowsill. Put both plants above the radiator
- Grow one plant in a dark cupboard and one plant on a windowsill
- Grow both plants in a greenhouse where it is warm

What happens, do you think, if plants get too hot?

6. Jack asks, 'Do plants need water to grow?' Jack has two tomato plants. What should he do?



- Keep both dry
- Water one plant but not the other
- Water both plants
- Water both plants only when they are dry

Which plant, do you think, will grow?

8. Ellie watered her two tomato plants every day. But they stopped growing and died. Ellie was upset. What had Ellie done wrong?



- Ellie had watered both tomato plants
- Ellie had only watered them once a day
- Ellie had given the tomato plants too much water
- Ellie forgot to water them one day

Plants need water, but they can have too much

9. Katie wanted to find out what type of soil tomato plants like best. Katie had three tomato plants. She planted one in compost, one in stony soil, and one in sandy soil. What should she do then?



- Put one in a sunny place, one in a cool place, and one in a dark place
- Put all three in a sunny place
- Put two of them in a sunny place, and one in a dark place
- Put all three in a dark place

Katie must also give all three plants the same amount of water

10. Stella asks, 'Do plants need sunlight to grow?' She has two tomato plants. Where should she put them?



- One on a windowsill and one outside
- One on a windowsill and one in a cupboard
- One outside and one in a greenhouse
- One in a greenhouse and one on a windowsill

Which one do you think will grow best?