

## Guidance and mark schemes for Science: Year 6

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Forces	gravity, air resistance, water resistance and friction
	mechanisms, including levers, pulleys and gears
Earth and space	the movement of the planets relative to the Sun in the solar system, and the Moon relative to the Earth
	describe the Sun, Earth and Moon as approximately spherical bodies
	Earth's rotation and night and day

Each of the three tests will also contain questions that assess certain ways of working scientifically, such as: asking relevant questions, planning enquiries, setting up fair tests, making observations, taking measurements, gathering and presenting data, recording findings, drawing conclusions, identifying similarities and differences, reporting on findings and making predictions

## Marking and assessing the papers

This booklet contains a full and detailed mark scheme with acceptable answers. Where there are several possible ways to answer a question, the alternatives have been suggested, but it is still possible that there might be another correct alternative. It is important that key words are used that relate the question to the answer. For example, if an answer is about identifying filtering as a method of separating a solid from a liquid then you should expect the word(s) 'filtering/filter/filtration' to appear in any correct answer.

Incorrect answers do not get a mark but there are a limited number of occasions when instead of awarding two marks for an entirely correct answer, it is possible to award one mark for a partially correct answer.

The test results from the National Curriculum Test will only be published at a national level. The information given below should be treated as a guide only as the number of marks required may vary.

Marks achieved	Standard
0–39	Has not met the standard in science for Key Stage 2.
40–66	Has met the standard in science for Key Stage 2.

## Mark scheme Set 1: Paper B

Q	Answers	Marks												
<b>1a</b>	<p><b>Award 1 mark</b> for all three answers correct.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr style="background-color: #4CAF50; color: white;"> <th style="width: 60%;"></th> <th style="width: 20%; text-align: center;">Yes</th> <th style="width: 20%; text-align: center;">No</th> </tr> </thead> <tbody> <tr> <td>Should Anne use the same soil for each plant?</td> <td style="text-align: center;">✓</td> <td></td> </tr> <tr> <td>Should Anne use the same amount of water for each plant?</td> <td></td> <td style="text-align: center;">✓</td> </tr> <tr> <td>Should Anne grow the plants in the same place?</td> <td style="text-align: center;">✓</td> <td></td> </tr> </tbody> </table>		Yes	No	Should Anne use the same soil for each plant?	✓		Should Anne use the same amount of water for each plant?		✓	Should Anne grow the plants in the same place?	✓		1
	Yes	No												
Should Anne use the same soil for each plant?	✓													
Should Anne use the same amount of water for each plant?		✓												
Should Anne grow the plants in the same place?	✓													
<b>1b</b>	<p><b>Award 1 mark</b> for both answers correct.</p> <p>roots stem/stalk</p>	1												
<b>2a</b>	<p><b>Award 1 mark</b> for all lines drawn correctly.</p>	1												
<b>2b</b>	<p><b>Award 1 mark</b> for any acceptable answer, such as:</p> <ul style="list-style-type: none"> <li>● They anchor the plant to the ground.</li> <li>● They absorb water from the soil.</li> <li>● They absorb nutrients from the soil.</li> </ul>	1												
<b>2c</b>	<p><b>Award 1 mark</b> for a description that mentions one of the following:</p> <ul style="list-style-type: none"> <li>● reproduction</li> <li>● pollination</li> <li>● seed formation</li> <li>● seed dispersal</li> </ul>	1												
<b>2d</b>	<p><b>Award 1 mark</b> for seeds.</p>	1												
<b>3a</b>	<p><b>Award 1 mark</b> for any answer that mentions one of the following:</p> <ul style="list-style-type: none"> <li>● Pollen is transferred from one flower to another flower,</li> <li>● Pollen is transferred from the anther of one flower to the carpel of another.</li> <li>● Pollen is carried by insects from one flower to another.</li> <li>● Pollen is carried by the wind from one flower to another.</li> </ul>	1												
<b>3b</b>	<p><b>Award 1 mark</b> for anther or stamen.</p>	1												