

**FORM 4 SCIENCE TEST 1**

**Scientific Skill**

**NAME:** \_\_\_\_\_

**FORM:** \_\_\_\_\_

**TOTAL:** \_\_\_\_\_/30

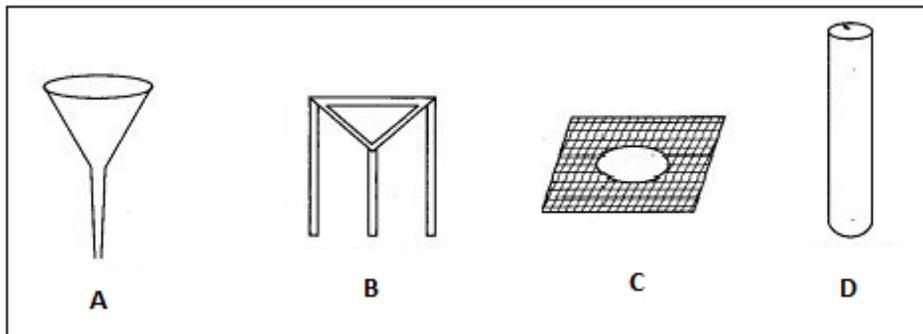
1. Write your **Name** and **Form** in the spaces provided on this page.
2. Use **ONLY** a blue or a black pen for writing and a pencil for drawing
3. Answer **ALL** QUESTION

<b>STRAND/Sub-strand</b> <i>Scientific Skill</i>	<b>SKILL LEVEL</b>				<b>TOTAL</b>
	<b>Uni- structural</b>	<b>Multi- structural</b>	<b>Relational</b>	<b>Extended Abstract</b>	
	<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	
Scientific Skill	11				11
Scientific Investigation	3	1	1		8
Scientific Report	6	1	1		11
<b>TOTAL WEIGHTING</b>	<b>20</b>	<b>4</b>	<b>6</b>		<b>30</b>
<b>TOTAL ITEMS</b>	<b>20</b>	<b>2</b>	<b>2</b>		<b>LO's</b>

**GOOD LUCK!!**

**QUESTION 1: SCIENTIFIC SKILL**

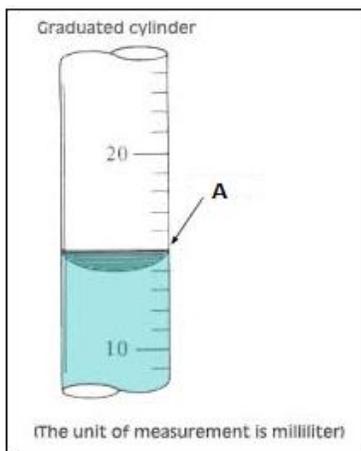
1. The diagram below shows some of the equipment that are using in the laboratory room. Name A, B, C and D.



A: \_\_\_\_\_ B: \_\_\_\_\_ C: \_\_\_\_\_  
 D: \_\_\_\_\_

<b>SL</b>	
4	
3	
2	
1	
0	
NR	

2. Use the diagram below to answer the following questions.



- Name part A. \_\_\_\_\_
- How much liquid is in the cylinder? \_\_\_\_\_

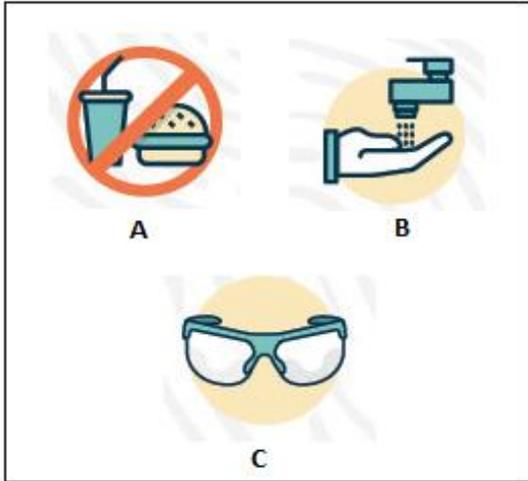
<b>SL</b>	
2	
1	
0	
NR	

3. Give the name of the instruments using to measure the followings:

- Temperature: \_\_\_\_\_
- Mass or weight: \_\_\_\_\_

<b>SL</b>	
2	
1	
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NR	

4. Here are some important safety sign in a laboratory room. Identify sign A - C.



A: \_\_\_\_\_

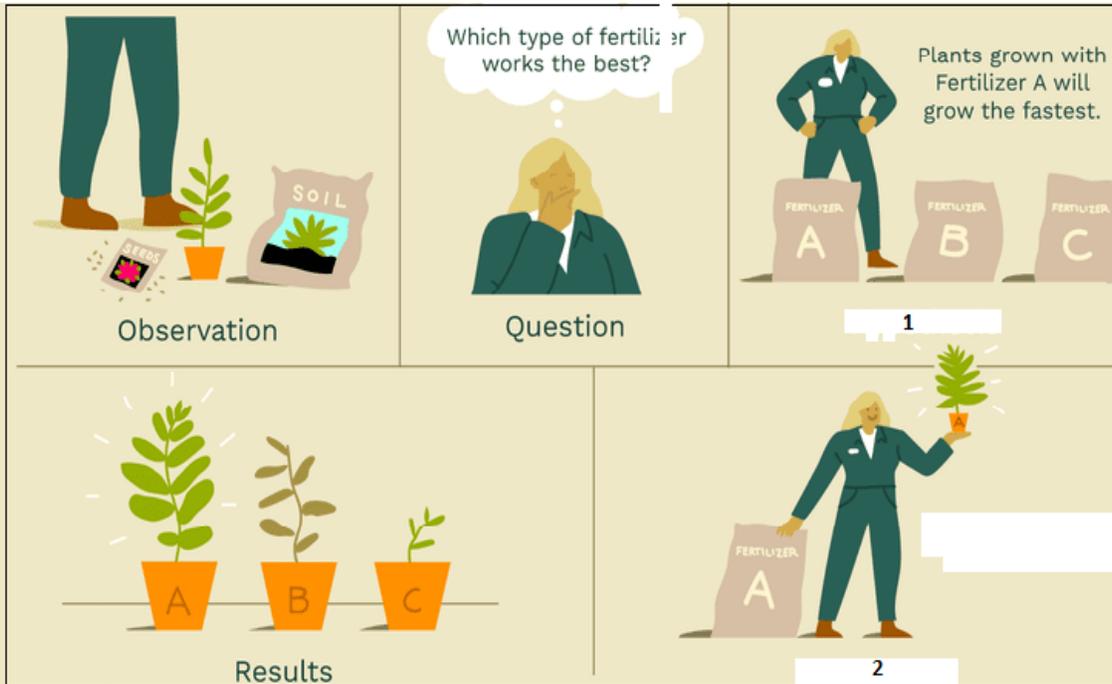
B: \_\_\_\_\_

C: \_\_\_\_\_

<b>SL</b>	
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**QUESTION 2: SCIENTIFIC INVESTIGATION**

1. Sione carried out an experiment to investigate which fertilizer is very effective on plants. Study the diagram carefully and answer the following questions.



a. State the aim of the experiment.

b. Identify 1 and 2 as shown in the diagram.

1: \_\_\_\_\_ 2: \_\_\_\_\_

c. List all the materials required for the experiment shown in the diagram.

d. Write a short conclusion for the experiment.

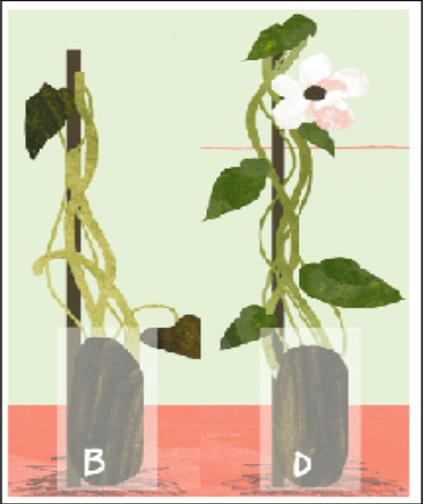
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**QUESTION 3: SCIENTIFIC REPORT**

1.	<p>Identify the important features of a scientific report in their correct order. 1 and 6 has already done for you.</p> <p>Title, _____, _____, _____, _____,</p> <p>Result, _____.</p>	<table border="1"> <tr><td><b>SL</b></td><td></td></tr> <tr><td>6</td><td></td></tr> <tr><td>5</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	<b>SL</b>		6		5		4		3		2		1		0		NR					
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2.	<p>Form 4 student carried out an experiment to find out if light is necessary for photosynthesis. Two pot plants were prepared, pot B left inside a cupboard for 48 hours and pot D left outside expose to sunlight. The result shown by the diagram below.</p> <div style="text-align: center;">  </div> <p>i. Describe the result using your observation.</p> <hr/> <hr/>	<table border="1"> <tr><td><b>SL</b></td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> <tr><td><b>SL</b></td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	<b>SL</b>		2		1		0		NR		<b>SL</b>		3		2		1		0		NR	
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	<p>ii. Write a conclusion for the experiment.</p> <hr/> <hr/> <hr/> <hr/> <hr/>	
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