


















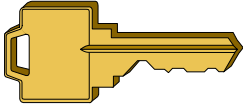

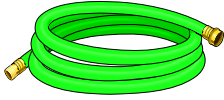

Assessment Schedule 9A 2007

/ means OR eg. green / blue – answer needs green OR blue
 () means additional, not really required eg. Gauze (mat) – gauze would be sufficient
 : means AND eg. red : hot - answer needs red and hot.

Question	Evidence	Marks												
1(a)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Apparatus</th> <th style="width: 50%;">Correct name</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1) </td> <td>Test tube holder</td> </tr> <tr> <td style="text-align: center;">2) </td> <td>Test tubes</td> </tr> <tr> <td style="text-align: center;">3) </td> <td>Filter funnel</td> </tr> <tr> <td style="text-align: center;">4) </td> <td>Safety goggles</td> </tr> <tr> <td style="text-align: center;">5) </td> <td>Stirring rod</td> </tr> </tbody> </table>	Apparatus	Correct name	1) 	Test tube holder	2) 	Test tubes	3) 	Filter funnel	4) 	Safety goggles	5) 	Stirring rod	<p>All correct = 2 marks</p> <p>3 or 4 correct=1</p>
Apparatus	Correct name													
1) 	Test tube holder													
2) 	Test tubes													
3) 	Filter funnel													
4) 	Safety goggles													
5) 	Stirring rod													
1(b)	Safety glasses or safety goggles	1 mark												
1(c)	Filter funnel	1 mark												
Q2 (a)	Part 1 is the barrel Part 2 is the collar Part 3 is the gas tubing connector Part 4 is the base	<p>All correct = 2 marks</p> <p>2 or 3 correct= 1 mark</p>												
2(b)	Yellow: For safety / to see easily / when not using the Bunsen burner Blue: When heating / when a hot flame is needed	<p>1 mark</p> <p>1 mark</p>												
2(c)	Eg blue flame is hotter or blue flame is quieter or yellow flame flickers (must imply a comparison)	1 mark												
Q3	(a) B (b) A (c) C	<p>1 mark</p> <p>1 mark</p> <p>1 mark</p>												
Q4	(B)	1 mark												
Q5	(b) solid changes to a liquid (c) gas changes to a liquid (d) liquid changes into a solid	<p>1 mark</p> <p>1 mark</p> <p>1 mark</p>												
Q6	(a) Gandy (b) Mandy (c) Andy or Sandy (1 answer only is needed)	<p>1 mark</p> <p>1 mark</p> <p>1 mark</p>												
Q7	(a) 14 (b) Number has increased / got bigger / more (c) rats ate lizards / kept numbers down / ate lizards food/ other simple reasoned answer eg rats ate lizards eggs	<p>1 mark</p> <p>1 mark</p> <p>1 mark</p>												

Question	Answers	Marks																						
Q8	<p style="text-align: center;">Sally's Height</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <caption>Data points from Sally's Height graph</caption> <thead> <tr> <th>Age (years)</th> <th>Height (cm)</th> </tr> </thead> <tbody> <tr><td>0</td><td>40</td></tr> <tr><td>2</td><td>70</td></tr> <tr><td>4</td><td>80</td></tr> <tr><td>6</td><td>90</td></tr> <tr><td>8</td><td>95</td></tr> <tr><td>10</td><td>120</td></tr> <tr><td>12</td><td>135</td></tr> <tr><td>14</td><td>160</td></tr> <tr><td>16</td><td>165</td></tr> <tr><td>18</td><td>170</td></tr> </tbody> </table> <p>(a) X at 0 years and 40 cm up the height scale! 1 mark (b) all points correctly plotted 1 mark (c) 92 – 93 cm tall 1 mark (d) C (12 and 14 year) 1 mark (e) Yes 1 mark</p>	Age (years)	Height (cm)	0	40	2	70	4	80	6	90	8	95	10	120	12	135	14	160	16	165	18	170	5 marks
Age (years)	Height (cm)																							
0	40																							
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8	95																							
10	120																							
12	135																							
14	160																							
16	165																							
18	170																							
Q9	Problem 1 – look for planting trees / bushes/ retaining wall/ drainage Problem 2 look for grass planting / wind breaks /	1 mark 1 mark																						
Q10	(a) (B) Facing a tall cliff (b) sound <u>travels to the (object/wall)</u> and(<u>bounces / reflects</u>) back to the <u>ear</u> (c) B carpeted floor and curtains (d) they absorb sound betterbecause they are soft/spongy	1 mark 1 mark 1 mark 1 mark 1 mark																						

Q11

Object	What is the best material to make this object?	Why is this the <u>best</u> material to use?
a) Stirring spoon 	Wood	<i>Wood takes a long time to heat up, so you won't burn your hand.</i>
b) Window 	glass	see through
c) Door key 	metal	Easy to shape or Hardwearing (tough) or strong
d) Hammer head 	metal	Hardwearing (tough) or strong
e) Garden hose 	plastic	Flexible or bendy
f) Rubbish bags 	plastic	Lightweight

5 marks:
1 mark for each correct row

Accept sensible alternatives for reasons but the reason given must be a reason explaining the use.

Total

40