

### Assessment Schedule 9A 2010

/ 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)	5 safety rules <b>Must give a SAFETY RULE and not just a description of what they see in the diagram</b>	3 – 4 = 1 mark
(b)	Hazard symbols identified	3 – 4 = 1 mark
(c)	5 differences identified	4 – 5 = 1 mark
2(a)	Thermometer = 37°C Syringe = 3 cm <sup>3</sup> Stopwatch = 10 sec 10 thousandths Clock = 10.08	3 - 4 = 2 marks 1 – 2 = 1 mark
(b)	(i) Thermometer (ii) Degrees Celsius (iii) Temperature	all 3 correct = 1 mark
(c)	Safety goggles                  Bunsen burner Tripod and gauze              Test tube Test tube rack                  Tongs Filter funnel	5-7 = 2 marks 3-4 = 1 mark
(d)	Thermometer Spatula Metre Rule Heat Proof mat Safety goggles Stop clock Tongs	6-8 = 2 marks 4-5 = 1 mark
3	(i) Use HOT/WARM water (ii) STIR the water and salt <b>Must give TWO</b> (iii) Add salt a little at a time (iv) Crush salt up first	all 2 correct = 1mark
4(a)	Correct values put on graph	2 marks
4(b)	Blue	1 mark
4(c)	Green eyes and Tongue non-roller	1 mark
5(a)	Iron filings	1 mark
(b)	Solutes dissolve quicker in warm water (because particles have greater KE)	First sentence = 1 mark

		Both = 2 marks						
(c)	Stirring helps mix the salt (solute) and water (solvent)	1 mark						
(d)	Correct labels	1 mark						
(e)	Correct labels	1 mark						
(f)	Crushed glass	1 mark						
6	Shell A = Clam; Shell B = Tower Shell; Shell C = Razor Shell	1 mark						
7(a)	B	1 mark						
(b) + (c)	2 ; X	Both correct = 1 mark						
(d)	In very bright light the pupil closes to minimize the amount of light entering the eye( and therefore protecting the retina)	1 mark						
8(a)	Fat = 10g Carbohydrate = 30g Protein = 20g Calcium = 730g	3-4 = 1mark						
(b)+(c)+(d)	Extra rich; 18g; Full fat	2-3 correct = 1 Mark						
9(a)	<table border="1"> <tr> <td>Producers</td> <td>Seaweed; Grass; Cabbage; Wheat</td> </tr> <tr> <td>Herbivores</td> <td>Fish; Cow; Mouse; Snail</td> </tr> <tr> <td>Carnivores</td> <td>Seal; Killer Whale; Human; Cat; Small bird; Hawk</td> </tr> </table>	Producers	Seaweed; Grass; Cabbage; Wheat	Herbivores	Fish; Cow; Mouse; Snail	Carnivores	Seal; Killer Whale; Human; Cat; Small bird; Hawk	12-14 = 1 mark
Producers	Seaweed; Grass; Cabbage; Wheat							
Herbivores	Fish; Cow; Mouse; Snail							
Carnivores	Seal; Killer Whale; Human; Cat; Small bird; Hawk							
(b)	Because plants are able to produce their own food (by photosynthesis)	1 mark						
10	(a) = 9	2 correct = 1 mark						
(a) +	(b) = 11	All correct = 2 marks						
(b)+ (c)	(c) = 3							
11(a)	Correct labels	5-6 = 2 marks 3-4 = 1 mark						
11(b)	B;D;A;C	1 mark						
12	Reflected ray at same angle as incident ray PLUS arrow on reflected ray	1 mark						
13	Gas – liquid = Condensing Liquid –solid = Freezing Solid – Liquid = Melting Liquid – Gas = Evaporating	3-4 = 2 marks 2 = 1 mark						
14	(a) Light (b) Heat (c) Sound (d) Movement	3-4 = 2 marks 2 = 1 mark						