

## Assessment Schedule 10B 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
One (a)	Cenozoic	4-5 correct = <b>2 marks</b> 3 correct = 1 mark
(b)	275	
(c)	Ordovician	
(d)	amphibians	
(e)	fish	
(f)	oldest    amphibians    reptiles    mammals    primates    youngest	<b>1 mark</b>
Two (a)	label line to / X on a pollen tube from either 'furry' pollen grain	<b>1 mark</b>
(b)	It fertilizes it / fertilisation / male cell fuses/joins with female cell ( <i>NOT "makes a seed/fruit"</i> )	<b>1 mark</b>
(c) (i)	<b>2 of</b> No petals / reduced petals / dull colour / long stamens extending (hanging out of flower base) / smaller / smoother / loose : pollen / no scent / no nectar	<b>1 mark</b>
(c) (ii)		
(d)	Fleshy / juicy / attractive smelling / attractive looking – eaten and dispersed in egestion/voided <b>or</b> hooks/spikes/hairs that attach to animal fur/feathers etc and fall off/licked off elsewhere ( <i>NOT "small seeds"</i> )	<b>2 marks</b>
(e)	Water and air and light ( <i>NOT "soil"</i> )	<b>1 mark</b>
(f)	Temperature / time (for experiment/germination) / type of lettuce seeds / type of lettuce plants/seeds ( <i>NOT "number of seeds" as 10 were used</i> )	<b>1 mark</b>
Three (a)	D: the mixture at end was least acidic / nearest to 7 / nearest to neutral / was the highest pH	<b>1 mark</b>
(b)	A: carbonate because CO <sub>2</sub> gas was produced which makes limewater go milky / solution was not coloured	<b>2 marks</b>
(c)	D: blue solution is copper sulfate / no gas is produced so no bubbles	<b>1 mark</b>

	But D A D and wrong or missing reasons – award <b>1 mark</b>		
Four (a)	Evidence	Equipment	2-3 correct = <b>1 mark</b> All 4 correct – <b>2 marks</b>
	Dried blood	scalpel	
	Hair	tweezers	
	Wet blood	cotton swab	
	Fingerprints	sticky tape	
(b)	(a) B (b) F (c) C (d) A (e) D		3-4 correct = <b>1 mark</b> 5 correct – <b>2</b> <b>marks</b>
Five(a)	Mass is the amount of atoms/ matter* in an object : weight is the force (of gravity) on the object ( <i>*NOT “stuff”</i> )		<b>1 mark</b>
(b)(i)	Newton		4 correct = <b>2</b> <b>marks</b>
(ii)	550 Newtons		
(c) (i)	0 N / balanced forces / equal forces / same forces / 0 N AND stationery		2-3 correct = <b>1 mark</b>
(ii)	100 N AND right / →		
(d)	24 N		<b>1 mark</b>
(e)(i)	2 marks for 5 plotted correctly or 1 mark for 4 plotted correctly plus 1 mark for joining plotted <b>crosses</b> appropriately		<b>3 marks</b>
(ii)	16 – 18 N		<b>1 mark</b>

Six (a)	Measuring cylinder, thermometer, beehive and Bunsen burner and matches, safety goggles, heatproof mat! ( <i>NOT TONGS!!</i> )			1 mark
(b)	water			1 mark
(c)	Exp 2 : <b>125</b> Exp 3: 39			Both correct = 1 mark
(d)	Volume of acid e.g. 10mL, same size/shape/mass/SA marble chips			1 mark
(e)	As the temperature increases the rate/speed of reaction increases			1 mark
Seven (a)	Windpipe Lung Heart			All correct = 1 mark
(b)	To <i>pump blood around the body</i> <b>and</b> pump blood to the lungs OR One reason well explained – e.g. to pump blood around the body to deliver food and oxygen to cells			Both correct = <b>2 marks</b> 1 correct = 1 mark
(c)	<i>Groups may be given in any order</i>	Blood group	Percentage of Japanese people (%)	1 mark
		A	38	
		O	30	
		B	22	
		AB	10	
(d)	Graph completed accurately – check scale			1 mark
Eight (a)	a			1 mark
(b)	B			1 mark
(c)	Connection 2 <b>plus</b> one will still glow if the other blows			1 mark
	Both will be brighter (than connection 1)			1 mark