

Assessment Schedule 10A 2009

Question	Evidence	Marks
1(a)	Left to right (Whorl & Loop) both needed	1 mark
(b)	Circle B	1 mark
(c)	Wear gloves	1 mark
(d)	On a computer data base/computer	1 mark
2	X = oyster catcher Y = Whimbrel (both needed)	1 mark
3 (a)	Aim	1 mark
(b)	Circle yes for all (need to have all correctly circled)	1 mark
(c)	<p>Place 10 mL of fresh water into test tube A and 10 mL of salt water into test tube B (water volume must be 5 mL or higher) Place a nail into each test tube (nails must be the same size, type/brand) Make sure that half of each nail is exposed to the air/oxygen Allow the nails to sit in water for (? days). Observe the nails and comment on any chemical changes that are visible Record how much time it takes for rusting to occur and any visible changes</p> <p>(1 mark for 2 correct method steps written, full marks for a correctly written method that can be followed with minimal clarification)</p>	3 marks
(d)	The nail reacts with water/colour change visible/ new product formed	1 mark
Q4 (a)	4	1 mark
(b)	710	1 mark
(c)	Repeating makes it a fair test/repeating helps check reliability (both needed)	1 mark

Q5 (a)	Suspect 1	1 mark
(b)	The suspects DNA matches that found at crime scene	1 mark
Q6 (a)	move, push, speed and pull	1 mark
(b)	It is stretched/gets longer	1 mark
(c)	It gets thinner/reduces in size/ narrower	1 mark
(d)	weight	1 mark
Q7 (a)	wheat → house mouse → owl (arrows needed)	1 mark
(b)	C	1 mark
Q8	calcium carbonate + hydrochloric acid → calcium chloride, carbon dioxide and water magnesium + hydrochloric acid → magnesium chloride and hydrogen copper + hydrochloric acid → no reaction	1 mark
Q9 (a)	White fur helps to camouflage the fox so that it can avoid predators Small ears reduce heat loss Thick fur helps to keep its body warm/reduces heat loss or any other suitable answer (2 needed)	2 marks
(b)	Long legs help it to run quickly to escape from predators/ Horns help it to defend itself from predators or any other suitable answer (1 needed)	1 mark
Q10 (a)	a = not glowing b = glowing c = glowing d = glowing	1 mark
(b)	Bulb A works Bulbs B & C and bell will not work (1 mark each)	2 marks
Q11	(i) crust (ii) mantle (iii) outer core (iv) inner core all needed	1 mark
Q12 (a)	(i) filtration	1 mark
	(ii) chromatography	1 mark

Q12 (b)	(i) its alkaline	1 mark
	(ii) red	1 mark
(c)	indicator	1 mark
Q13 (a)	More detailed / easier to follow/ fair test/ more accurate	1 mark
(b)	It allowed them to compare the tea bags/ to see the results easily	1 mark
(c)	results	1 mark
(d)	Quickest triangle circle square Slowest	1 mark