
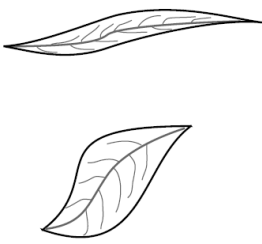






Assessment Schedule 9A 2008

/ 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)	A – test tube / boiling tube B – (filter) funnel C – conical : flask		D – beaker E - thermometer		4-5 correct = 2 marks 2-3 correct = 1 mark
b)	3 → 5 → 1 → 4 → 2 *eg <u>3</u> 4 <u>5</u> 1 <u>2</u> (only 4 is out of place)				All correct OR any 4 numbers in correct sequence* = 1 mark
c)	Evaporating : basin / dish (wire) gauze (mat) tripod		Salty water Bunsen (burner) (heatproof / protective) mat		4-5 correct = 2 marks 2-3 correct = 1 mark
d)	salt crystals / white solid / solid salt/ crusty solid <i>Any answer that implies salt AND solid BUT not just "salt"</i>				1 mark
Two a)	A – flower B – stem C – leaf D - roots				3-4 correct = 1 mark
b)	Leaves – where/how the plant makes its (own) food / site of photosynthesis!!				1 mark
	Roots – absorb water / absorb nutrients / anchor plant in soil BUT NOT “absorb food” / “for food”				1 mark
	Flowers – how the plant reproduces[1] by making seeds [1] OR attracts insects [1] for pollination [1]				2 marks
Three a)	physical physical chemical				2-3 correct = 1 mark
b)	freezes melts condenses				2-3 correct = 1 mark
Four a)	protein	fibre	carbohydrates	fats	3-4 correct = 2 marks 2 correct = 1 mark
b)	Using a lot of carbohydrates – tennis playing girl Lots of protein – body building man Not growing any more – old lady Extra protein, vitamins – pregnant woman				3-4 correct = 2 marks 2 correct = 1 mark

Five					1 mark all correct
					1 mark all correct
Six a)	3 of the 4 bars correctly plotted				1 mark
b)	Average : bounce height				1 mark
c)	cm				1 mark
d)	(Average) bounce height of (different types of) balls OR Bouncy Balls (must have reference to <u>bouncing</u> and <u>balls</u>)				1 mark
Seven a)	sun candle stars torch Allow one omitted OR one reflector added to the 4				1 mark
b)	Make their own light (or equivalent answer)				1 mark
c)	x = 40 (units not needed)				1 mark
	Recognises that value of y = z (but has the wrong number)				1 mark
	y =70 : z = 70 (units not needed)				1 mark
	✓ ✓ ✗				2-3 correct = 1 mark
Eight a)	i) n/a ii) 37°C iii) 30 °C iv) 8 °C v) n/a vi) -8 °C Units NOT required				3-4 correct = 1 mark
b)	column shaded in correctly to 55°C				1 mark
c)	Open	Closed			7-8 correct = 2 marks
	Yes	no			
	Yes	no			5-6 correct = 1 mark
	Yes	no			

d)	c. is ticked - attacks and destroys living tissue including eyes and skin					1 mark
Nine	A results table drawn with idea of columns/rows with the number and type of beetle (regardless of the correctness of any data entered)					1 mark
	The total number of beetles counted by the student adds to 46					1 mark
	Data – allow 2 errors Tortoise beetle = 9 Wasp beetle = 22 Oil beetle = 10 Weevil = 5					1 mark
	<i>If the data adds to 46 and has been put on a CORRECT bar graph = 2 marks</i> <i>If the data (allow 2 errors) has been put on a CORRECT bar graph = 1 mark</i>					X
Ten a)	electrical wiring	car body	tyres	steering wheel	plates in a car battery	3-4 correct = 1 mark
	copper	steel	rubber	plastic	lead	
b)	Transparent : can see through it (or other acceptable answer)					3 properties plus reasons = 2 marks
	Hard : doesn't break that easily (or other acceptable answer)					
	Unreactive : doesn't change when rain hits it (or other acceptable answer)					1-2 properties plus reasons 1 mark
	Eg – can be tinted (to reduce glare), can be toughened (so if it breaks it stays in one piece), doesn't scratch easily (so stones don't damage it too much), is insoluble (so it doesn't dissolve in the rain!), smooth surface so easy to clean etc There will be other acceptable answers.					BUT 3 correct properties with no/poor explanations = 1 mark OR 3 explanations with no/poor properties = 1 mark