

Multiple Choice Answers

Q8: A

Q9: C

Multiple Choice Answers

Q8: B

1(a)(i)	C = 11 and W = 12 ;
1(a)(ii)	table drawn with correct number of columns and a header line ; appropriate column / row headings, with units for distance ; recording of correct number of sections for both C and W ; recording of correct total distances for both C and W ;
1(a)(iii)	6.5 ; mm per minute ;
1(a)(iv)	the higher <u>er</u> the temperature the greater <u>er</u> the (rate of) dye / water movement ;
1(a)(v)	to identify, anomalous results / outliers / results that do not follow the trend ;
1(b)	<i>any two from:</i> both used celery OR same, species / type, of plant ; length of celery (stalk) ; both used blue dye OR type / colour of dye ; time to equilibrate ; length of time in the dye ; width of sections ;
1(c)(i)	<i>error from Table 1.1</i> temperature (of the water-bath) not controlled / AW ; <i>improvement</i> thermostatically controlled water–bath ;

1(c)(ii)	cut smaller / thinner sections OR cut the celery vertically / longitudinally ;
1(d)	0.28 (mm ³) ;
1(e)(i)	line AB = 60 $\pm$ 1 (mm) ; 2 (mm) ;;

1(e)(ii)	any three differences from:			
		leaf miner fly / Fig. 1.7		black aphid / Fig. 1.6
	1	larger	OR	smaller
	2	shorter antennae / AW	OR	longer antennae / AW
	3	has wings	AND	no wings
	4	hairs on body	AND	no hairs on body
	5	larger eye	OR	smaller eye
	6	lack of two projections / AW, sticking out of abdomen / back	AND	two projections / AW sticking out of abdomen / back
	7	shorter legs	OR	longer legs
	8	thicker legs	OR	thinner legs
	9	only three legs (visible)	AND	six legs
10	larger head	OR	smaller head	
;;;				
1(f)	single clear outline with no shading ; drawing larger than half the available space ; detail 1: deep V-shaped cleft correctly located on the upper right third of the leaf ; detail 2: between three and five separate veins coming from the same level at the top of the petiole ;			