

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 the temperature the greater 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 ±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 ;