

Multiple Choice Answers

Q21: B

Multiple Choice Answers

Q19: C

Multiple Choice Answers

Q20: A

Multiple Choice Answers

Q22: B

Multiple Choice Answers

Q24: C

Multiple Choice Answers

Q24: B

2(a)	<i>any four from:</i> 1 (overall) there are more rods than cones / ora ; 2 (number of) cones, peaks / are greater, at fovea / at 0 arbitrary units ; 3 <i>idea that</i> (number of) rods peak either side or are increasing going towards the fovea / 0 arbitrary units ; 4 no rods present at, fovea / 0 arbitrary units ; 5 <i>idea that</i> (number of) cones outside of fovea are (approximately), equal / constant ; 6 (number of) rods greater on left hand-side of fovea ;
2(b)	more rod (cells) / greater proportion of rod cells / AW ; <i>ref. to</i> (greater sensitivity) for, night vision / low light conditions / AW ; OR fewer cones ; colour vision less important / AW ;
2(c)(i)	pupil reflex ;
2(c)(ii)	circular muscle (of the iris) ;
2(c)(iii)	antagonistic ;

2(d)(i)	A – vesicle ; B – receptor (protein) ; C – (named) neurotransmitters ;
2(d)(ii)	diffusion ; by random movement of particles OR from higher concentration to lower concentration / down concentration gradient ;