

Mark scheme

Question			Answer/Indicative content	Marks	Guidance
1			C ✓	1 (AO1.1)	
			Total	1	
2			A ✓	1 (AO1.2)	
			Total	1	
3	i		synaptic , cleft / gap ✓	1 (AO1.1)	<p>IGNORE synapse</p> <p><u>Examiner's Comments</u></p> <p>Generally well answered by most candidates. 'Synapse' alone was not precise enough to gain a mark.</p>
	ii		<p>structure A and vesicles (fused with membrane) OR exocytosis / neurotransmitter released ✓</p>	1 (AO3.1)	<p>MUST include structure A and a reason for one mark.</p> <p><u>Examiner's Comments</u></p> <p>Most candidates answered this well by identifying A and stating that vesicles could be seen. Some candidates lost the mark for stating that they could see vesicles moving across the cleft.</p> <p> Misconception</p> <p>A common misconception is when referring to vesicles at a synapse. It is important for candidates to be clear that vesicles fuse with the membrane and release their contents i.e. neurotransmitters that move across the synaptic cleft. Vesicles do not move across the synaptic cleft.</p>
	iii		<p>positive ✓ depolarisation ✓</p>	2 (AO1.2)	
			Total	4	