- Mark Scheme /

Question	Answer	Marks	AO Element	Notes	Guidance
1	B - motor nerve	1			
2	central <u>and</u> peripheral (nervous system);	1			
3	automatic / fast / protective / involuntary / predictable for a specific stimulus / unconscious ;	1			
4	H: motor (neurone) ; K: sensory (neurone) ;	2			
5	pupil response to light / AVP ;	1			
6	coordination / regulation, of body functions;	1			
7	brain ; spinal cord ;	2		either order	

- Mark Scheme

Question	Answer	Marks	AO Element	Notes	Guidance
8	any three from: drug X blocks, D / receptor (molecules);	3			
	neurotransmitters are not able to bind to, D / receptor (molecules);				
	drug X is similar in shape to neurotransmitter / complementary to shape of receptor (molecule);				
	drug X stops, impulse/electrical signal, being transmitted in relay neurone;				
	(so) less / no, pain felt with drug X ;				
9	motor / effector, (neurone);	3			
	impulse ;				
	synapse;				

[Total: 15]