

5	C	
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9.	(a)	They have receptors/receptor proteins AND these are specific/match this hormone.	1	Both parts required for mark. Any reference to active site/substrate negates.
	(b)	Endocrine	1	Named example not acceptable alone but would not negate the correct response, provided it is clearly stated as an example.
	(c)	Glucagon	1	

9.	(a)	Cerebellum	1	
	(b)	1. Detected by <u>receptors</u> (1) 2. Sent by <u>electrical</u> impulse/signal (1) 3. (Message/information/impulse goes) from sensory to relay neuron/sensory → relay neuron (1) 4. Across synapse OR Chemical transfer between neurons (1)	4	If the brain is mentioned as being involved in the process this negates one correct point. Not acceptable - reference to 'electrical impulse' crossing synapse

10.	(a)	(i)	Pancreas	1	Not acceptable - pancrease
		(ii)	Glucose is needed to release/give out <u>energy</u> OR If cells do not have glucose they release/give out less/no <u>energy</u>	1	
	(b)	(i)	S	1	
		(ii)	P	1	
	(c)		Receptor (protein)	1	

9.	B	
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10.		A	
11.		D	
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12.		D	