1	Diag scal	rams A , B and C show cells from e.	different parts of the humar	body, all drawn to the same	
		A		C	
	(a)	Which cell, A , B or C , appears to	Key Mitochondrion Ribosome have adaptations to increa	ase diffusion into or out of	
	` ,	the cell?	,		
		Give one reason for your choice). 		(4)
	(b)	(i) Cell C is found in the pand Name one useful substance	reas. ce produced by the pancrea	as.	(1)

(1)

(ii)	Use information from the diagram to explain how cell C is adapted for produsubstance.	icing this
		(2)
		(2)
		(Total 4 marks)

Mark schemes

	_
1	

(a) B

no mark for "B", alone

(b) (i) any **one** from:

• insulin / hormone if named hormone / enzyme must be correct for pancreas

enzyme / named enzyme

(ii) many ribosomes

(ribosomes) produce protein

accept insulin / hormone / enzyme named is (made of) protein

or

allow many mitochondria (1)

provide energy to build protein **or** to make protein (1) accept ATP for energy

[4]

1

1

1

1