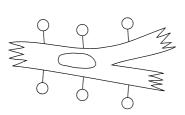
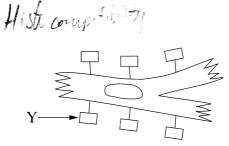
Question 28 (8 marks)

Organ transplants may trigger an immune response which can lead to organ rejection.

The diagram below represents a model of two heart cells, one from a transplant recipient and one from a donor.



Recipient heart cell



Donor heart cell

(a)	What does Y represent?	1
	Nerter of the Mile Moher histo compatibility chemical	eW) ;
(b)	Assess the effectiveness of the model in explaining the cause of organ rejection in a transplant recipient. The marker will of the clonor west will call as	3
	different from the recipients heart cell This will cause the respirants body to reject the organ as it does not recognise the donor heart cells as its "self"	
	as the respects own much system proceeds to	
(c)	Name and outline the role of TWO types of T lymphocytes in organ rejection. Helper and T cells release untiques lat recognise the donor heart cells markes as	4
	W Cylistoxic killer T cells attacks the donor heart cells & courses the origin to be rejected	