12	Positron emission tomography (PET) is a medical imaging technique used to create three-dimensional images of the body.	
	In PET, a low energy positron collides with an electron to produce a pair of gamma photons travelling in opposite directions. The gamma photons are detected and used to form the image.	
	(a) Name the process involved in producing the gamma photons.	(1)
	(b) Calculate the maximum wavelength of the gamma photons produced.	(4)
	Wavelength =(Total for Question 12 = 5 marks)	