Gamma Spectroscopy Exm Prelat What ou quantity could explain when the opposed nuclous is less that thanks construct success plus the duty products? Change in energy of the system. (If the everyor does! 2) A pucteus unbegoing alphin decay true DZ=DN=-2 and DA-AZ-AN 3) A rackers undergoing beta drawn how DZ=1, AN=-1, and AN=0 4) A mules undergoing grown down has  $\Delta E = \Delta N = \Delta A = 0$ 5) Much like at a electrons around a nucleus, inucleons with a nucleus lone a structure relative to the nucleus center with it is assorbe for a nucleon to be in an excited state 5 has decay occurs when a nucleon weres from an excited state 3 has decay occurs when a nucleon weres from an excited state 3 has decay occurs when a nucleon weres from an excited state 3 has decay occurs when a nucleon weres from an excited state 3 has decay occurs when a nucleon weres from an excited state 3 has decay occurs when a nucleon weres from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from an excited state 3 has decay occurs when a nucleon were from a nucleon were from a nucleon when a nucleon were from a nucle 6) The truck detectors discussed at home gammer and deposited into the gas by Gas-Filed defectors have energy deposited into the gas by grands Scintillation detectors have energy deposited by photons kleased framed a lacetors have energy deposited by photons kleased framed a lacetors have energy deposited by photons as there energy should be proposed in the photons as the energy should be for these new photons are picked up to a photons as there energy should do p. These new photons are picked up to a photon energy should be proposed in the photon of the photon of the proposed in the photon of the proposed in the photon of the photon of the proposed in the photon of the proposed in t In solid-state detectors garnine rays course movements of electrics Though a semiconductor. 7) In Egypton scentlering, only some of the photon's energy of transfero to the electron that triggers lonitation. Because not all energy of transferred, he get a smaller frequency reading from Balant I think the pase is short to prevent interference. With a human such as 100 Ens] the any tragularities could cause synthan of photons calledy and Herforty with one another 9) Gain could be affected by the proportionality of D-frequency and he frequently re create pulses. 10) An divilog to - digital colverter takes continuous quantity from and converts it into into discrete, time-based chumbs so that can be read and analyted digitally live a completer For a linear fit, the Murmun minter of ordibration somes of 2. 19 I hard chop the deter to arrest the two gammers square from one dustly but otherwise normally