

	Ebn is constant Cnewly)
	36 < A < 170
	For A=56 Ebn is masumum
	Conclusion
E	Force between the nucleon is attractive to produce a binding energy and keep nucleon stuck to each other
*	The in the range 30 < A < 170 is nearly constant shows that nucleur force is short ranged.
	For higher atomic mans there enteriore number of orbit. The salestime between the numbers and waters obecome larger to the miles for Oretimes lesses and thoreway party of reduced.
	Consider a nucleus A=240 now break  It into two nuclei of A=120 is this  process to energy is released. This process is called as nuclear fission.
	Consider two light nuclei P = 10 Now  join them to form a heavier nuclei. The  Expression more than Ebn of lighter nuclei.  In this process energy is released.
	This process is called nuclear fussion

B- decay 32P -> 32S + e + 7 B+ clocary 22 Na - 22 No tet + V where v is the antireutrino and v is the neutrino. Neutron Neutrino are very small particle with man toos less Than electron but does not have charge. They interact weakly with other fargartice

so they are difficult to be dected.

They can penetrate Notes of large quantity
of matter Nurhout any of interaction (earth)

They are penetrate only of interaction (earth)

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They can penetrate only of interaction (earth) n->pte+v for pt Broton is converted into neutros p-nn+e++V Gramma Decay When a nucleus is excited state is spontanous by decayed to its ground state a photon is emitted whose energy is equal to the difference in two

