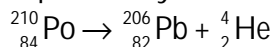


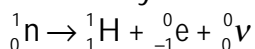
BINDING ENERGY

☞ Calculate the binding energy (in MeV) liberated in each of the following nuclear reactions.

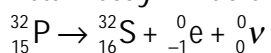
1. Alpha Decay



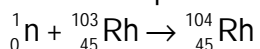
2. Beta Decay—Isolated



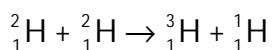
2. Beta Decay—Nucleic



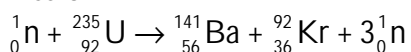
3. Neutron Capture



4. Fusion



5. Fission



A		Z	mass (u)
-1	e ⁻	0	0.000548579903
00	n ⁰	1	1.008664904
01	p ⁺	1	1.007276470
01	H	1	1.007825
01	H	2	2.0140
01	H	3	3.01605
02	He	3	3.01603
02	He	4	4.00260
15	P	32	31.973907
16	S	32	31.972070
36	Kr	92	91.926270
45	Rh	103	102.905500
45	Rh	104	103.906651
56	Ba	141	140.910581
82	Pb	206	205.97440
84	Po	210	209.982848
92	U	235	235.043924