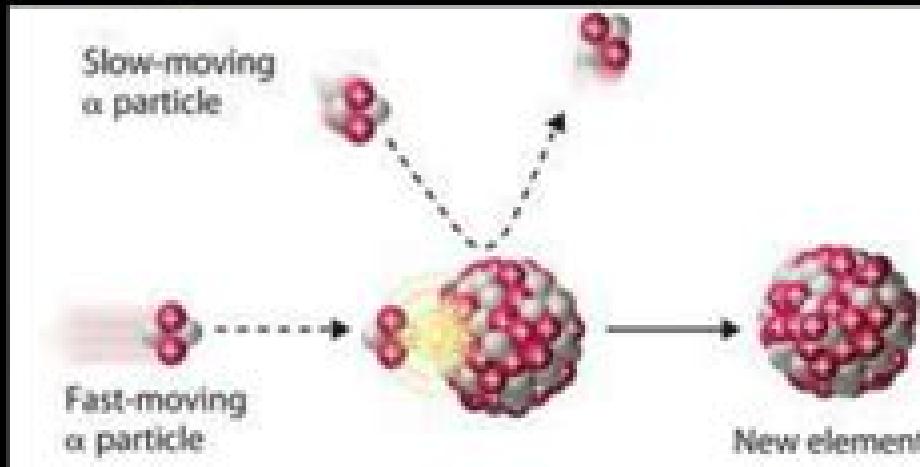


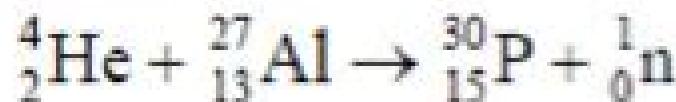
Artificial Transmutation

- The change of one element to another artificially by bombarding it with other particles.



- These equations always have 2 reactants on the left (as opposed to natural decay)

Artificial Transmutation



Natural Transmutation



3 Artificial Transmutation

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web 6 a 218 g sample of steam at 121oc is cooled to ice at 14oc find the change in heat content of the system 7 in going from ice at 34oc to steam at 138oc a sample of water absorbs 1 41 x 105 j find the mass of the sample answers 1 2 68 x 104 j 2 6 23 x 104 j 3 1 71 x 104 j 4 1 11 x 105 j 5 2 11 x 105 j 6

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