

Radioactive Decay Law and its Consequences

Syed Arif Kamal 

Government College, Hyderabad,
Sindh, Pakistan; profdrakamal@gmail.com

The law of radioactive decay (Fig. 1, 2) was given in terms of the initial and the final masses of

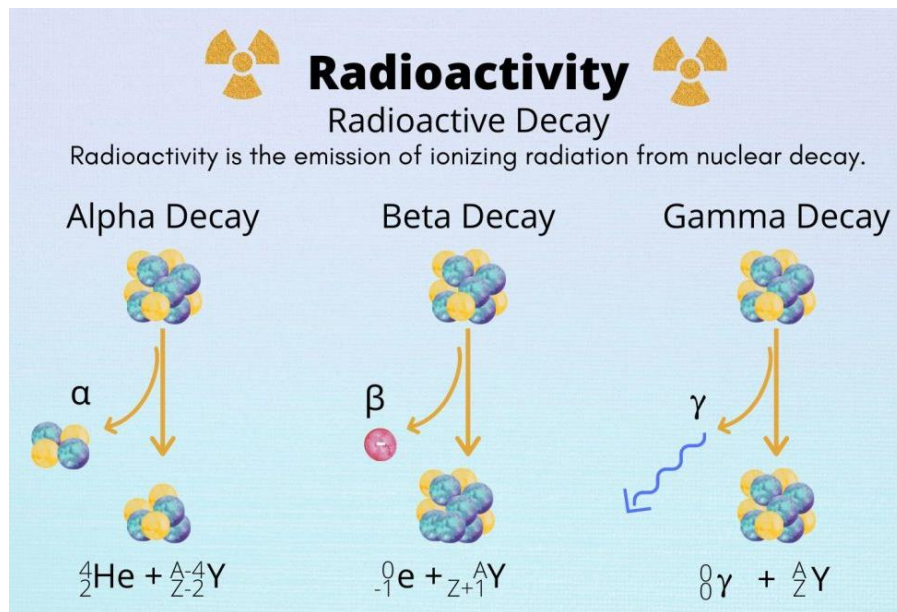


Fig. 1. Radioactivity is the emission of ionizing radiation (alpha, beta, and gamma) from nuclear decay

radioactive material. The decay law was, also, generalized for mixtures.

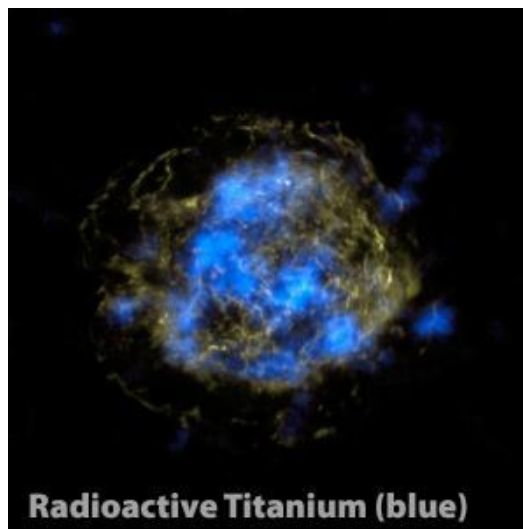


Fig. 2. Radioactive core of a dead star (image credit: NASA/JPL/Caltech)

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