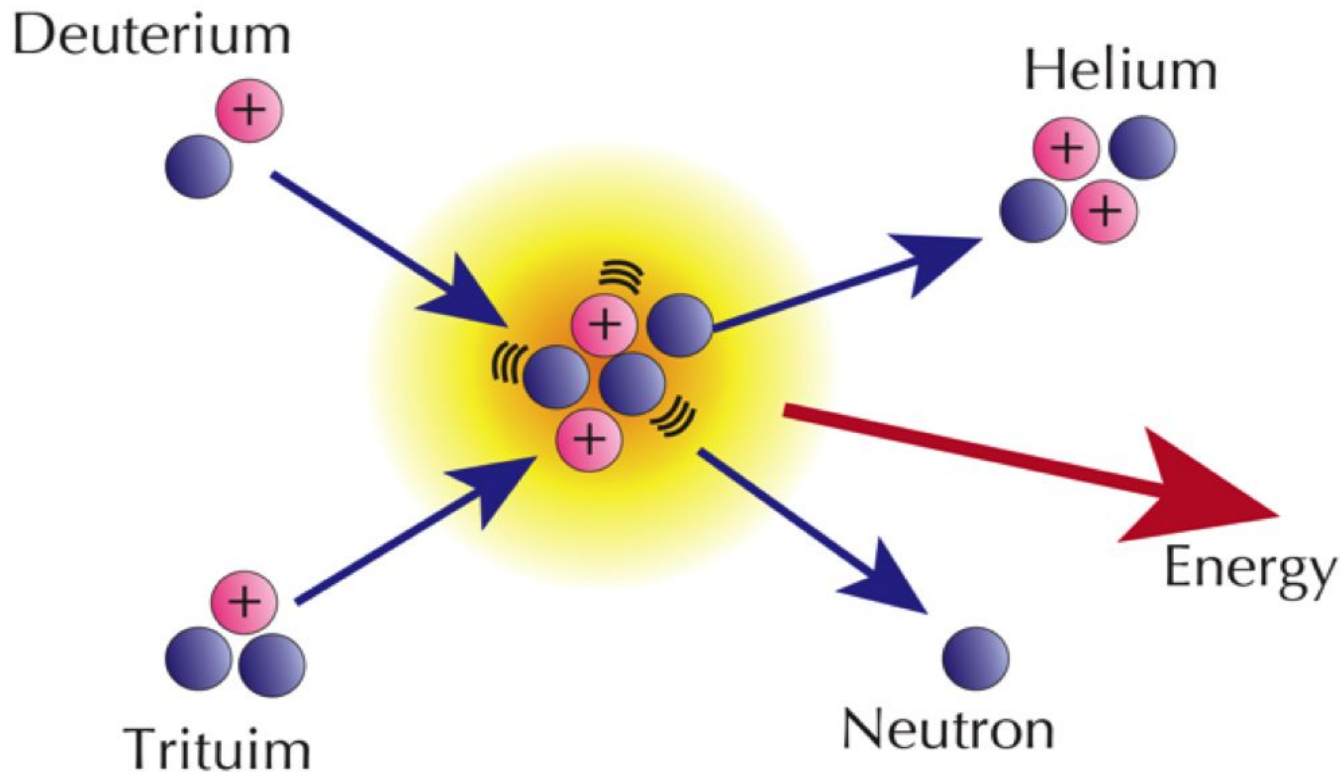


Nuclear Fusion

Picture Vocabulary

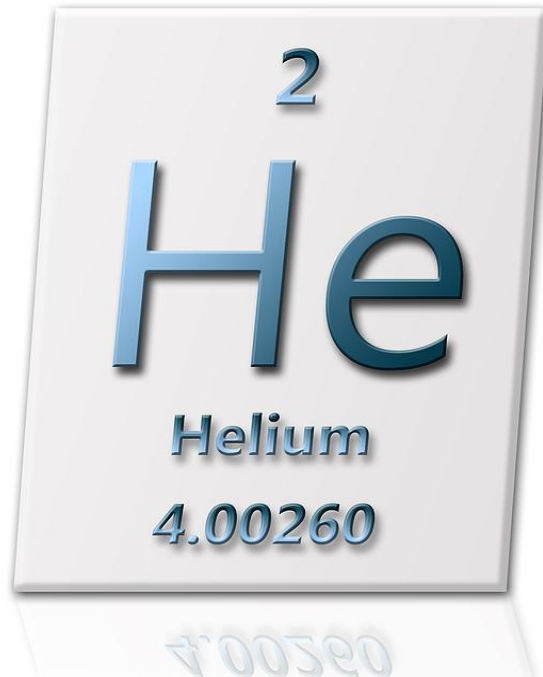
C1C Nuclear Fusion

Nuclear fusion



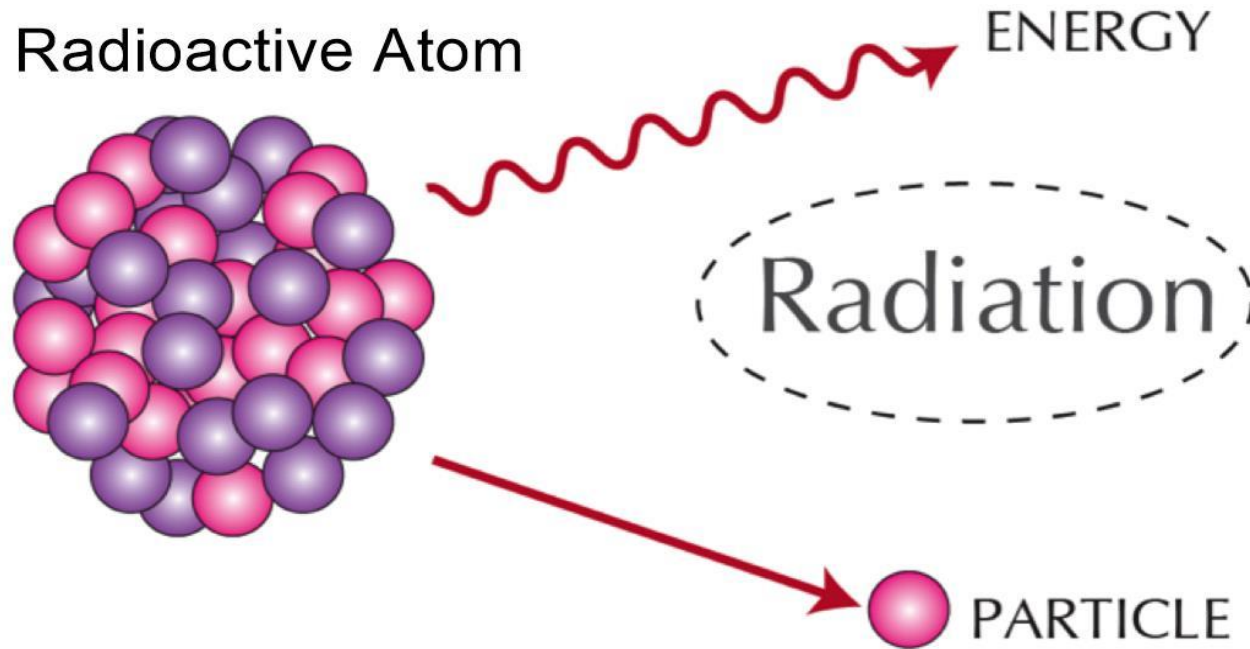
A reaction in which two light nuclei combine to produce a nucleus of heavier mass and results in the release of a large amount of energy

Helium



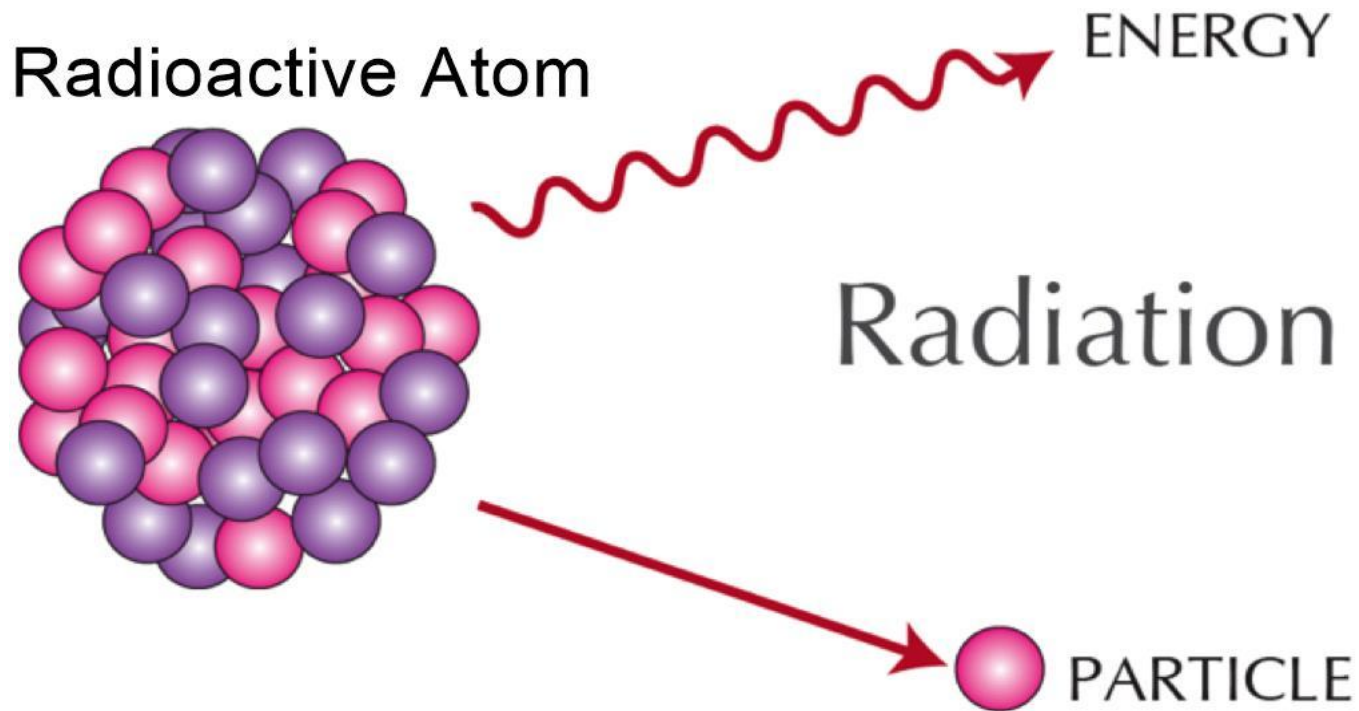
Colorless inert gas that has 2 protons

Radioactivity



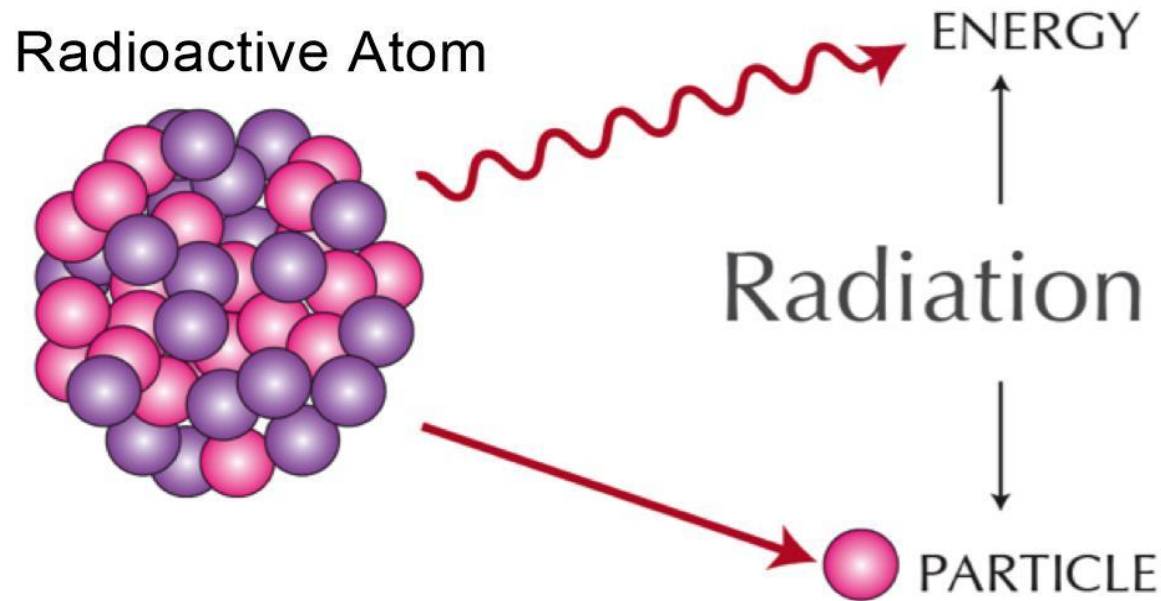
The processes by which unstable atomic nuclei achieve stability

Radiation



The complete process in which
energy is emitted as particles or waves

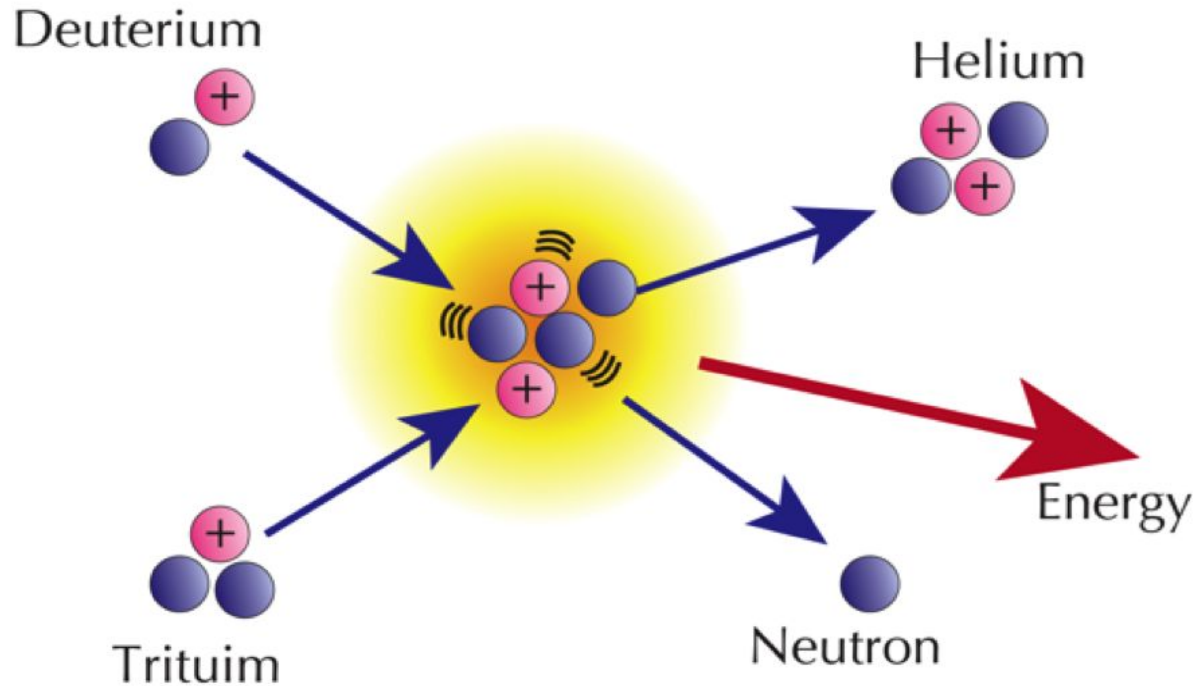
Radioactive decay



A radioactive atom spontaneously emits particles and energy called radiation.

The spontaneous emission of radiation
by an unstable nucleus

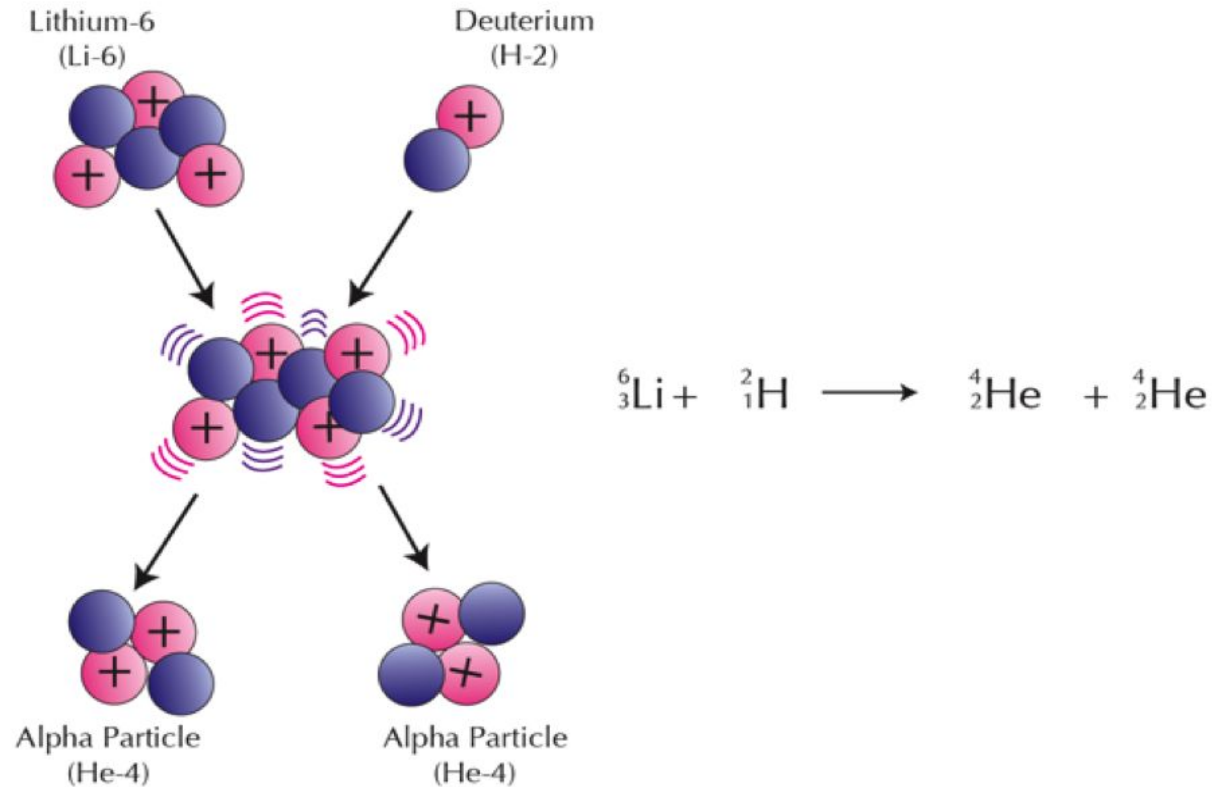
Nuclear reaction



The process in which a nucleus that is stimulated will emit a nucleon without a significant change in its atomic weight

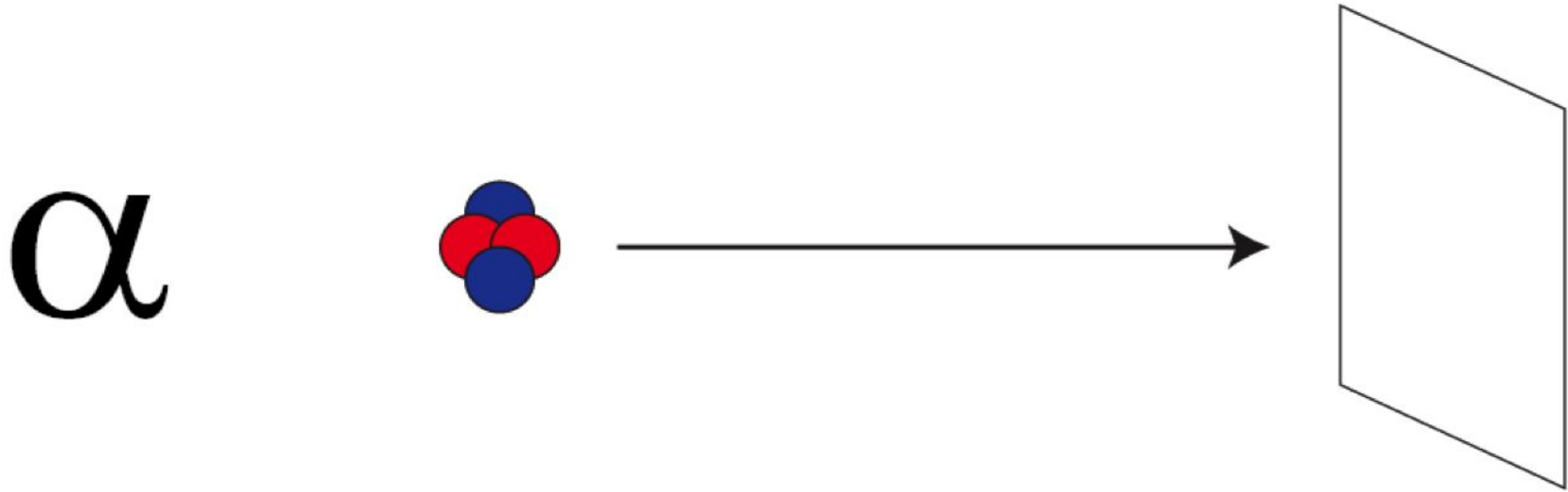
Nuclear equation

Lithium-6 - Deuterium Reaction



An equation that shows how a nucleus gains or loses subatomic particles

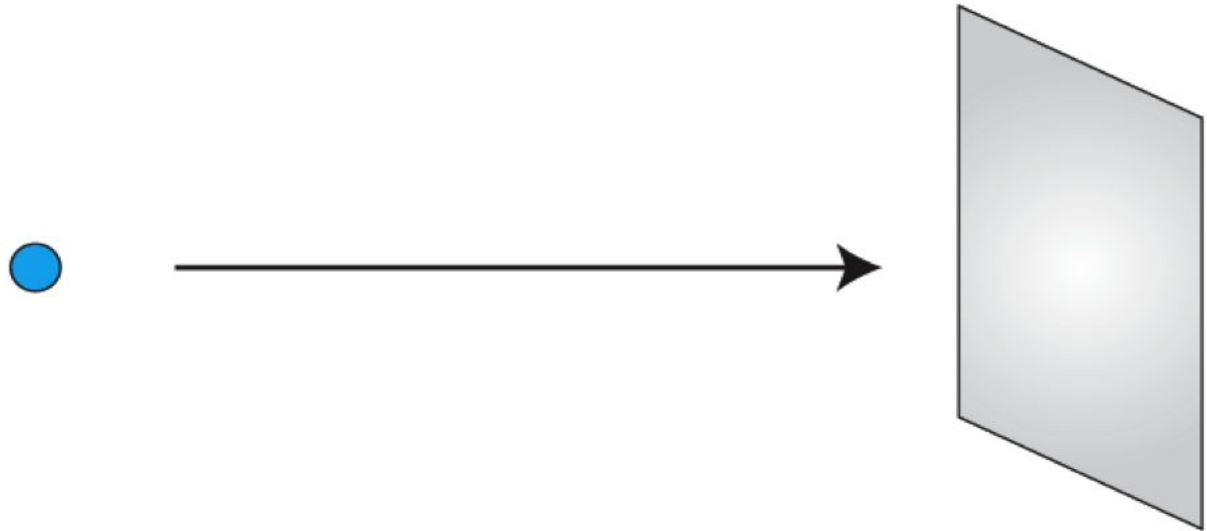
Alpha particle



A positively-charged particle identical to the helium atom nucleus, with two protons and two neutrons, that is emitted from radioactive decay of a nucleus

Beta particle

β



A negatively-charged electron emitted from the radioactive decay of a nucleus