

## Physics 10th Class English Medium Unit 9 Online Test

Sr	Questions	Answers Choice
1	When a heavy nucleus splits into, lighter nuclei, the process would .	A. Release nuclear energy B. Absorb nuclear energy C. Release chemical energy D. Absorb chemical energy
2	Release of energy by the sun is due to	A. Nuclear fission B. Nuclear fusion C. Burning of gases D. Chemical reaction
3	When a uranium (92 protons) ejects a beta particle, how many protons are left in the remaining nucleus?	A. 92 protons B. 91 protons C. 93 protons D. 89 protons
4	What happen to the atomic number of an element which emits one alpha particle and a beta particles.	A. Increases by 1 B. Stay the same C. Decrease by 2 D. Decrease by 1
5	One of the isotopes of uranium is $^{238}\text{U}_{92}$ the number of neutrons in the isotopes is.	A. 92 B. 146 C. 238 D. 330
6	isotopes are atom of same element with different.	A. Atomic mass B. Atomic number C. Number of proton D. Number of electron
7	The process of breaking a heavy nucleus after the bombardment of neutrons into two small nuclei is called:	A. Nuclear fission reaction B. Nuclear fusion reaction C. Nuclear Radiation D. Nuclear chain reaction
8	Which element is used to locate the ulcer in brain?	A. Iodine-131 B. Phosphorus-32 C. Carbon-14 D. Potassium-40
9	Which element is used for the monitoring of thyroid glands?	A. Iodine- 131 B. Phosphorus-32 C. Carbon-14 D. Potassium-40
10	The half life of radium - 226 is 1620 years. If N is its total amount then after the four half lives, its left amount will be:	A. $\frac{1}{2} N$ B. $\frac{1}{4} N$ C. $\frac{1}{8} N$ D. $\frac{1}{16} N$
11	The phenomenon in which radiations convert the matter into positive and negative ions is called:	A. Radio activity B. Excitation C. Ionization D. Electrolysis
12	The symbol of alpha particles is:	A. $4\text{AHe}$ B. $42\text{He}$ C. $0-1\text{B}$ D. $00\text{Y}$