

Nuclear Physics Exam Questions List

1. In alpha decay (α -decay) proton number of parent nuclide
 - increases by 2
 - increases by 1
 - decreases by 2 (Answer)
 - decreases by 4
2. Times a proton is heavier than an electron is
 - 1827
 - 1876
 - 1836 (Answer)
 - 1789
3. In fission, mass of products is
 - less than original nucleus (Answer)
 - more than original nucleus
 - equal to original nucleus
 - both B and C
4. Phenomenon in which radiations split matter in to ions is called
 - denaturing
 - ionization (Answer)
 - condensation
 - atomization
5. Compound containing some amount of radioisotope is
 - tracer (Answer)
 - radioactive compound
 - non radioactive
 - linear active compound
6. Cosmic radiation consists of
 - protons and electrons
 - alpha particles
 - larger nuclei
 - all of above (Answer)
7. Temperature at center of sun is
 - 50 million kelvin
 - 20 million kelvin (Answer)
 - 30 million kelvin
 - 40 million kelvin