

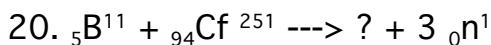
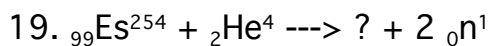
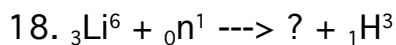
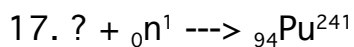
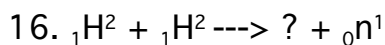
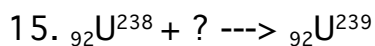
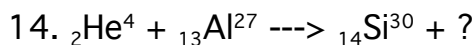
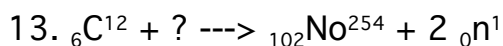
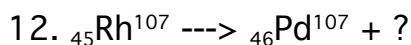
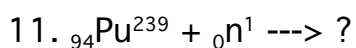
Big Chem: Unit 28 Nuclear Chemistry

PRINT Name _____ Period _____

Define these terms and give an example:

1. Proton, 2. Electron, 3. Neutron, 4. Beta particle, 5. Alpha particle, 6. Gamma ray, 7. Atomic number, 8. Mass number, 9. Isotope, 10. Atomic weight.

Complete these nuclear reactions. Be sure that they are balanced in mass and charge:



Answers: 11. ${}_{94}\text{Pu}^{240}$, 12. ${}_{-1}\text{e}^0$, 13. ${}_{96}\text{Cm}^{244}$, 14. ${}_1\text{H}^1$, 15. ${}_0\text{n}^1$, 16. ${}_2\text{He}^3$, 17. ${}_{94}\text{Pu}^{240}$, 18. ${}_2\text{He}^4$, 19. ${}_{101}\text{Md}^{256}$, 20. ${}_{99}\text{Es}^{259}$.

STAPLE THIS PAPER TO YOUR PAPERS (at home).
Turn in at the Beginning of the Period when due.