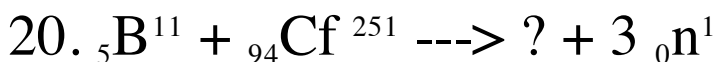
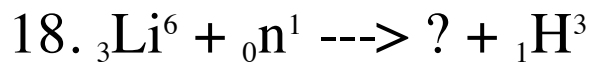
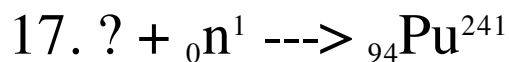
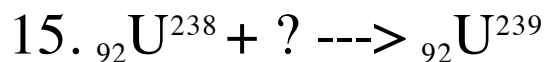
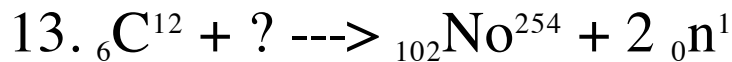
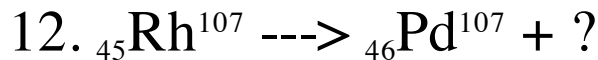
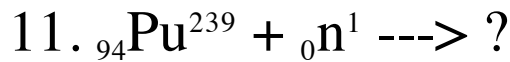


Unit 28, Nuclear Assignment

On the back: 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 on the back. 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. ${}_{99}\text{Es}^{259}$.