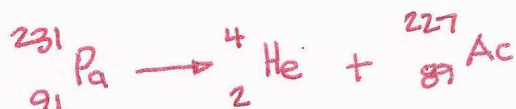


19-1 Practice Problems

1. Write a nuclear equation for the alpha decay of $^{231}_{91}\text{Pa}$.



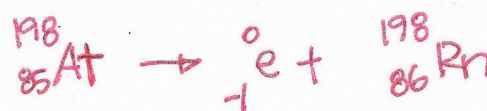
6. Write a nuclear equation for the alpha decay of $^{146}_{62}\text{Sm}$.



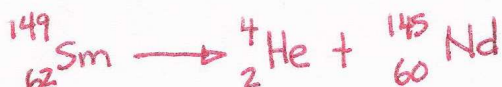
2. Write a nuclear equation for the beta decay of $^{223}_{87}\text{Fr}$.



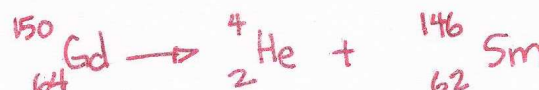
7. Write a nuclear equation for the beta decay of $^{198}_{85}\text{At}$.



3. Write a nuclear equation for the alpha decay of $^{149}_{62}\text{Sm}$.



8. Write a nuclear equation for the alpha decay of $^{150}_{64}\text{Gd}$.



4. Write a nuclear equation for the beta decay of $^{165}_{61}\text{Pm}$.



9. Write a nuclear equation for the beta decay of $^{152}_{54}\text{Xe}$.



5. Write a nuclear equation for the alpha decay of $^{249}_{101}\text{Md}$.



10. Write a nuclear equation for the beta decay of $^{120}_{55}\text{Cs}$.

