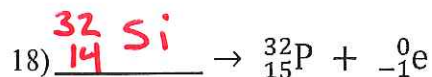
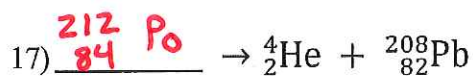
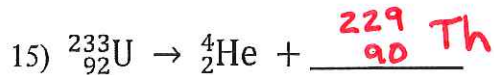
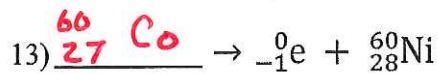
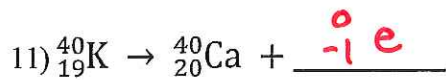
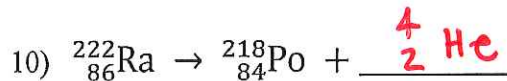
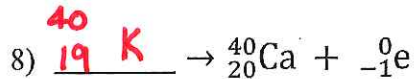
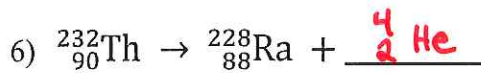
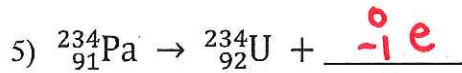
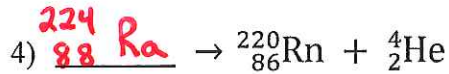
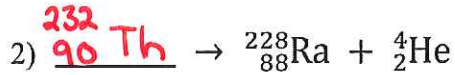
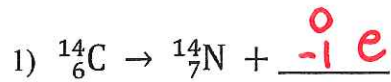
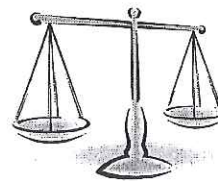


## Balancing Nuclear Equations Worksheet



PRACTICE

## IV. BALANCING NUCLEAR EQUATIONS:

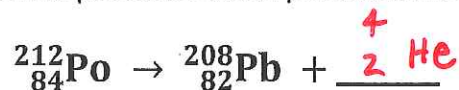


❖ *Total atomic numbers and mass numbers must be EQUAL on both sides!*

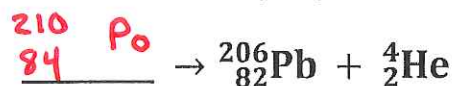
1. Write a nuclear equation showing the radioactive decay of polonium-218 if the decay produces an alpha particle.



2. What type of nuclear radiation is produced when polonium-212 decays to produce lead-208?



3. What will decay to produce lead-206 and an alpha particle?



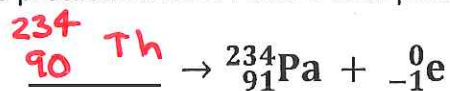
4. Write a nuclear equation showing the radioactive decay of carbon-14 if the decay produces a beta particle.



5. What type of nuclear radiation is produced when potassium-43 decays to produce calcium-43?



6. What will decay to produce protactinium-234 and a beta particle?



PRACTICE