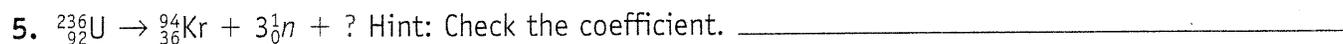
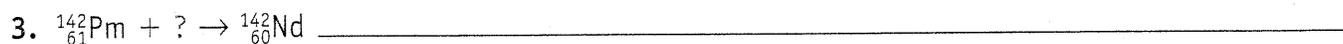


Nuclear Equations

Complete the following nuclear equations so that they are balanced for both mass and nuclear charge. They are balanced when the values of both the superscripts and subscripts on both sides of the equation are equal.



Write a balanced equation for each of the following nuclear changes. You must supply the missing product in each equation.

7. Neptunium-239 emits a beta particle.

8. Sodium-22 combines with a beta particle.

9. Uranium-238 emits an alpha particle.

10. Four hydrogen-1 nuclei combine and release two positrons.
