

Nuclear Balancing Act

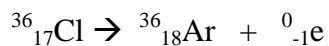
Name _____

Period _____

Date _____

Write a balanced equation for each of the following nuclear reactions

Example: Chlorine-36 decays by beta emission



1. Krypton-87 decays by beta emission.
2. Curium-240 decays by alpha emission.
3. Uranium-232 decays by beta decay.
4. Silicon-32 decays by beta emission.
5. Americium-243 decays by alpha emission.
6. Boron-8 decays by positron emission.
7. Iridium-192 decays by positron emission.
8. Germanium-68 undergoes electron capture.
9. Fluorine-18 undergoes electron capture.
10. Toughie! Lead-210 decays by emitting both a beta and an alpha particle.