

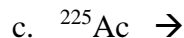
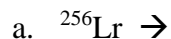
Chapter 10 Radioactive Decay

You may use your periodic table, p. 261.

An answer without units will be counted wrong!

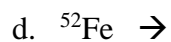
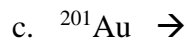
In Alpha decay, a nucleus spits out 2 protons and 2 neutrons called an alpha particle.

1. Determine the daughter products produced in the alpha decay of the radioactive isotopes shown below:



In Beta decay, a nucleus actually changes one of its neutrons into a proton. It does so by making the neutron emit an electron called a beta particle.

2. Determine the daughter products produced in the beta decay of the radioactive isotopes shown below:



In Gamma decay, a nucleus emits a gamma ray taking energy away from the nucleus.

3. Determine the daughter products produced in the gamma decay of the radioactive isotopes shown below:

