Nuclear decay equations 2

Education in Chemistry
March 2018
rsc.li/EiC218-thehuntison

This worksheet accompanies the above article 'The hunt is on'.

Complete the nuclear decay equations by adding in the products formed.

	Type of decay				
1	β	$^{40}_{19}K$	$\longrightarrow$		+	
2	α	$^{210}_{86}Rn$	$\longrightarrow$		+	
3	α	$^{230}_{90}Th$	$\longrightarrow$		+	
4	β	$^{234}_{90}Th$	$\longrightarrow$		+	
5	α	$^{10}_{4}Be$	$\longrightarrow$		+	
6	β	$^{8}_{4}Be$	$\longrightarrow$		+	
7	β	$^{79}_{34}Se$	$\longrightarrow$		+	
8	α	$^{210}_{84}Po$	$\longrightarrow$		+	
9	β	$^{85}_{36}Kr$	$\longrightarrow$		+	
10	β	$^{90}_{38}Sr$	$\longrightarrow$		+	
11	α	$^{238}_{88}Ra$	$\longrightarrow$		+	
12	α	$^{238}_{94}Pu$	$\longrightarrow$		+	
13	β	$^{125}_{38}Sb$	$\longrightarrow$		+	
14	α	$^{242}_{96}Cm$	$\longrightarrow$		+	
15	α	$^{209}_{83}Bi$	$\longrightarrow$		+	