

NAME : DATE :

EXCERSICE

PHYSICS NUCLEAR

Complete the equations below:

NO	EQUATIONS	Type of decay
(a)	${}^{226}_{88}\text{Ra} \rightarrow \boxed{}\boxed{}\text{Rn} + {}^4_2\text{He}$	
(b)	$\boxed{}\text{Po} \rightarrow {}^{208}_{}\text{Pb} + {}^4_2\text{He}$	
(c)	$\boxed{}\text{Pb} \rightarrow {}^{222}_{80}\text{Hg} + {}^4_2\boxed{}$	
(d)	${}^{90}_{38}\text{Sr} \rightarrow \boxed{}\boxed{}\text{Y} + {}^0_{-1}\text{e}$	
(e)	${}^{14}_6\text{C} \rightarrow {}^{14}_7\text{N} + \boxed{}$	
(f)	${}^{238}_{92}\text{U} \rightarrow {}^{234}_{90}\text{Th} + {}^4_2\text{He} + \boxed{}$	