

NAME : DATE :

EXCERSICE

PHYSICS NUCLEAR

Complete the equations below:

NO	EQUATIONS	Type of decay
(a)	${}_{88}^{226}\text{Ra} \rightarrow \boxed{}\boxed{}\text{Rn} + {}_2^4\text{He}$	
(b)	$\boxed{}\text{Po} \rightarrow {}_{84}^{208}\text{Pb} + {}_2^4\text{He}$	
(c)	$\boxed{}\text{Pb} \rightarrow {}_{80}^{222}\text{Hg} + {}_2^4\boxed{}$	
(d)	${}_{38}^{90}\text{Sr} \rightarrow \boxed{}\boxed{}\text{Y} + {}_{-1}^0\text{e}$	
(e)	${}_{6}^{14}\text{C} \rightarrow {}_{7}^{14}\text{N} + \boxed{}$	
(f)	${}_{92}^{238}\text{U} \rightarrow {}_{90}^{234}\text{Th} + {}_2^4\text{He} + \boxed{}$	