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Nuclear Decay			
Using a periodic table, fill in the blanks to complete the following nuclear equations. Then, identify which type(s) of decay particles were produced.  Standard: Students know the three most common forms of radioactive decay (alpha, beta, and gamma) and know how the nucleus changes in each type of decay.	Alpha	Beta	Gamma
$^{42}_{19}K \rightarrow ^{0}_{-1}e + _{}$			
Describe the change that took place above.	<u>-I</u>		
$^{235}U$ $\rightarrow$ + $^{231}Th$			
Describe the change that took place above.	<u> </u>		
$^{241}_{95}Am \rightarrow ^{239}_{93}Np +$			
Describe the change that took place above.			
${}^{14}C \rightarrow \underline{\hspace{1cm}} + {}^{14}N$			
Describe the change that took place above.			
$^{239}_{94}Pu \rightarrow ^{4}_{2}He + $			
Describe the change that took place above.	<u> </u>		
$\underline{\qquad} + {}_{0}^{1}n \rightarrow {}_{56}^{142}Ba + {}_{36}^{91}Kr + 3{}_{0}^{1}n + {}_{0}^{0}\gamma$			
Describe the change that took place above.			
$^{137}_{55}Cs \rightarrow ^{137}_{56}Ba + $			
Describe the change that took place above.	1	<u> </u>	
${}^{13}_{6}C + {}^{1}_{1}H \rightarrow \underline{\qquad} + {}^{0}_{0}\gamma$			

Describe the change that took place above.