Nuclear decay equations 1



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

(a) Complete the nuclear equations for a decay of the following isotopes by adding in the products

²¹⁰ ₈₆ Rn		+
$^{230}_{90}Th$		+
$^{10}_{4}Be$		+
$^{238}_{88}Ra$	>	+
²³⁸ ₉₄ Pu	>	+

(b) Complete the nuclear equations for B decay of the following isotopes by adding in the products

$^{40}_{19}K$		+
$^{234}_{90}Th$	>	+
⁸ ₄ Be	>	+
⁷⁹ 34Se		+
⁸⁵ ₃₆ Kr		+

(c) Complete the nuclear equations by adding in the isotope that decays and the type of decay

Type of decay				
		$^{125}_{39}Y$	+	$_{-1}^{0}e$
		²³⁸ ₉₄ Pu	+	⁴ ₂ He
	>	$^{205}_{81}Tl$	+	⁴ ₂ He