(a)	Two	isotopes of uranium are uranium-235 ($^{235}_{92}$ U) and uranium-238 ($^{238}_{92}$ U).	
	(i)	Describe in detail an atom of uranium-235.	
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	(11)		
(b)	Who	en a uranium-235 nucleus absorbs a neutron, the following reaction may occur:	
		$^{235}_{92}U + ^{W}_{X}n \rightarrow ^{148}_{57}La + ^{Z}_{Y}Q + 3^{W}_{X}n$	
	(i)	Determine the values of Y and Z.	
		Y=	
		Z=	1
	(ii)		
		[2]
		(ii) (b) Whe	 (i) Describe in detail an atom of uranium-235. (ii) With reference to the two forms of uranium, explain the term <i>isotopes</i>. (b) When a uranium-235 nucleus absorbs a neutron, the following reaction may occur: 235 U + W/X n → 148 / 57 La + Z/Q + 3W/X n (i) Determine the values of Y and Z. Y =