1 (a) (b)		7,000,000					DE METHODE COLO
(a)	(0)	AND with different numbers of neutrons (and with different masses) <				1	ALLOW for 'atoms of an element': Atoms of the same element OR atoms with the same number of protons OR atoms with the same atomic number IGNORE 'different relative atomic masses' IGNORE different mass number IGNORE same number of electrons DO NOT ALLOW different numbers of electrons DO NOT ALLOW 'atoms of elements' for 'atoms of an element' DO NOT ALLOW 'an element with different numbers of neutrons' (ie atom(s) is essential)
	(ii)					1	
		Protons	Neutrons	Electrons		- 1	
		74	110	74	7		
Н	(iii)	¹³ C OR C-12 OR carbon 12 OR carbon-12 ✓				1	IGNORE 1/12 th AND amu
(b)	(0)	(Oxidised): H (oxidation number has increased) from H = 0 to H = +1 (Reduced): W (oxidation number has decreased) from W = +6 to W = 0				1 2	ALLOW 6+ OR 6 OR 1+ OR 1 ALLOW one mark for correct exidation number changes H = 0 to H = +1 AND W = +6 to W = 0 ALLOW exidation states written above the equation if not seen in the text BUT IGNORE exidation states written above the equation if seen in the text ALLOW for one mark: (Oxidised) H has increased by 1 AND (Reduced) W has decreased by 6 IGNORE WO ₃ is reduced IGNORE references to electron loss / gain if correct DO NOT ALLOW incorrect references to electron loss / gain DO NOT ALLOW 'H exidised and W reduced' without

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