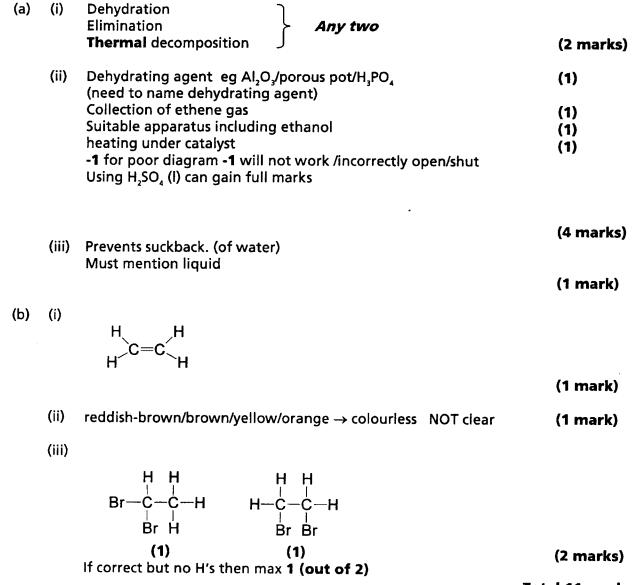
## Unit Test 6251 SECTION A

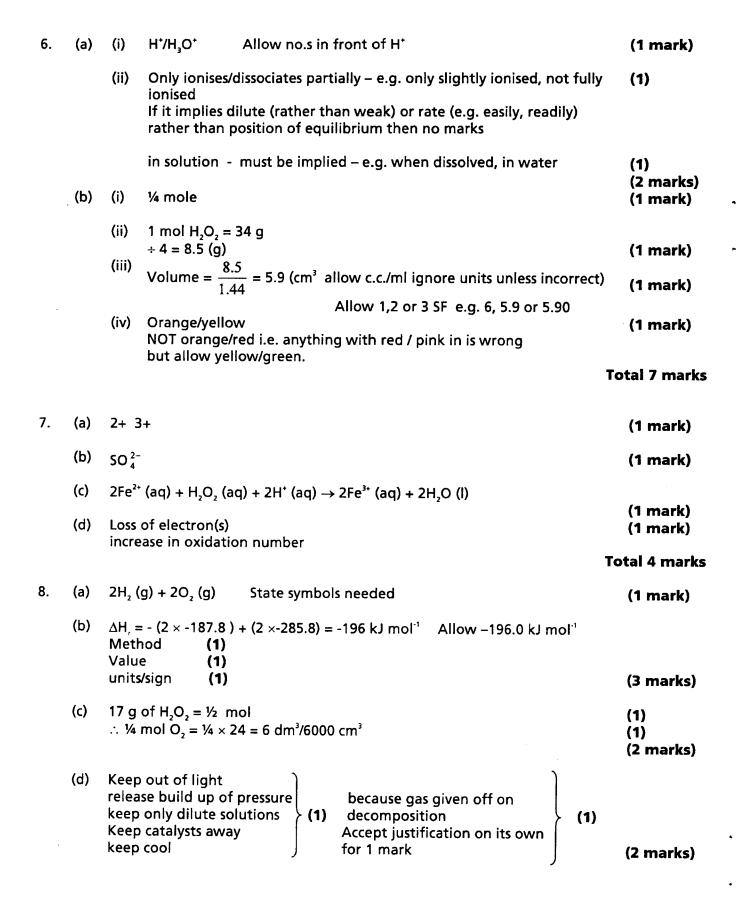
1.	(a)	$2NaHCO_3$ (s) $\rightarrow Na_2CO_3$ (s) $+ CO_2$ (g) $+ H_2O$ (l) allow multiples	(1 mark)
	(b)	Sodium hydrogencarbonate	(1 mark)
	(c)	NOT hydrocarbonate, bicarbonate of soda  Thermal decomposition	(1 mark)
2	(a)	126	(1 mark)
	(b)	$\frac{206 \times 25.6 + 207 \times 21.2 + 208 \times 53.2}{100}$	(1)
		= 207.3  MUST have 4 sf. for 2 <sup>nd</sup> mark	(1)
		MOST Have 4 St. Tot 2 Mark	(2 marks)
	(c)	+ + + + + + Allow any no. of positive charges i.e. 2+ Pb etc.  Allow unequal no.s of + and  Don't allow + touching positive ions.	(1 mark)
3	(a)	Solid disappearing/dissolving/reacting Bubbles of gas given off/fizzing/effervescence Solution becoming cloudy/milky/white precipitate  Any two	(2 marks)
	(b)	(i) Lime water/calcium hydroxide (ii) Carbon dioxide/CO <sub>2</sub>	(1 mark) (1 mark)
4	Butanal Allow butan-1-al Butanoic acid Recognition of aldehyde and carboxylic acid but not correct stem 1 (out of 2) i.e. propanal, propanoic acid		(1) (1)
			(2 marks)

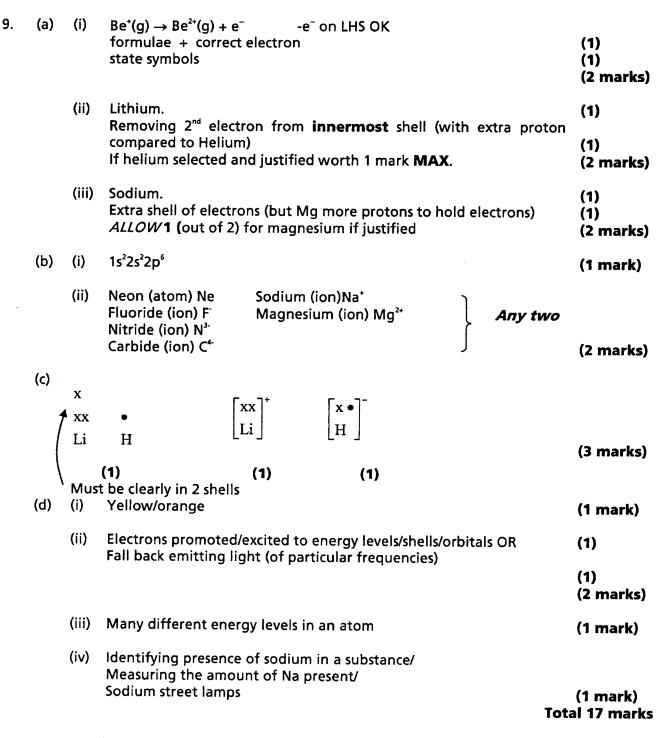
**SECTION A, Total 13 Marks** 



5.

Total 11 marks





**END**