

Question	Marking Guidance	Mark	AO	Comments
03.1	The ions in the ionic substance in the salt bridge move through the salt bridge	1	AO1b	
	To maintain charge balance / complete the circuit	1	AO1b	
03.2	F <sup>-</sup>	1	AO3 1a	
03.3	$E^{\ominus} \text{SO}_4^{2-} / \text{SO}_2 < E^{\ominus} \text{Br}_2 / \text{Br}^-$	1	AO3 1a	Allow correct answer expressed in words, eg electrode potential for sulfate ions / sulfur dioxide is less than that for bromine / bromide
03.4	1.23 (V)	1	AO2d	
03.5	A fuel cell converts more of the available energy from combustion of hydrogen into kinetic energy of the car / an internal combustion engine wastes more (heat) energy	1	AO3 1b	