(Q) What does the voltage of a cell depend on? Start A - The size of the cell B - How much oxygen is present C - The difference in reactivity of the two electrodes (A) The voltage of a cell depends on the (Q) Where can hydrogen be obtained from on difference in reactivity of the two the space station without transporting it electrodes. from Earth? A - From plants B - From water C - From the moon (A) Water can be electrolysed using (Q) Chemical cells produce a voltage. When electricity from solar cells. This do they stop producing a voltage and 'go flat'? produces hydrogen and oxygen. A - When one of the reactants has run out. B - When they get too hot C - When they reach the expiry date on the (A) A cell will produce a voltage until one (Q) Hydrogen can be used as a fuel for cars. of the reactants runs out. Which of the following is an advantage of using hydrogen instead of petrol? A - It is cheaper B - Exhaust gases contain only water C - It is easier to store (A) Hydrogen powered cars will produce (Q) What is the only chemical product when only water in their exhaust gases. hydrogen and oxygen are reacted together in a fuel cell? A - Water B - Electricity C - Carbon Dioxide (A) Water is the only chemical product (Q) Which of the following is a disadvantage from a hydrogen-oxygen fuel cell. of using hydrogen as a fuel? A - There are currently very few hydrogen filling stations in the UK B - It directly contributes to global warming C - Hydrogen is radioactive

(A) At present, there are very few hydrogen filling stations in the UK, but this will improve over time.	(Q) Which is not an advantage for using a hydrogen-oxygen fuel cell in a space station?
	A - No moving parts
	B - Small and compact size
	C - They generate useful heat for warmth
 (A) Fuel cells do not generate much heat due to their efficiency, so they are not useful for keeping the space 	(Q) What is a disadvantage of a rechargeable cell when compared with an alkaline cell?
station warm.	A - It is smaller
	B - It costs more to manufacture
	C - It can be reused many times.
(A) Rechargeable cells cost more to manufacture than alkaline cell.	(Q) In addition to a fuel, what other chemical is needed by a fuel cell?
	A - Nitrogen
	B - Oxygen
	C - Methane
(A) Fuel cells all require oxygen. Often	(Q) In the space station, why can you not rel
this comes from the air.	on solar cells all the time?
	A - They have to be shut down for maintenance
	B - They are unreliable and frequently
	overheat
BySchools With the state of th	C - They only produce electricity when the
Colored to the state of the sta	sun is visible
(A) Solar cells only work when sunlight	
falls on them, and this is not always	End
the case on the space station.	LIIG
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