	Name:
Q.1	
	The writer Jules Verne (1828-1905) said "Water decomposed into its elements will be the fuel of the future". The photograph shows a car that uses hydrogen as a fuel. How can hydrogen be produced from water?
1000	How?
	Why is the exhaust emission from such a car environmentally safe?
	Why?
the ha the	Vater had been flowing through the pipe shown in the photograph for some time. The pipe originally and no internal deposit. Give a possible reason for the formation of the deposit. What do you think the eposit is?
Re	eason
De	eposit
Q.3	
on	ive a test to show that the droplets formed the outside of a glass containing a cold rink are water. (6)

Q.4

(a)



The photograph shows a water treatment plant that produces water fit for domestic consumption. Name and describe four processes used in this treatment of water. (24)

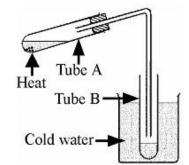
(<i>i</i>) Name	 	 		
Describe		<u> </u>	900 N 900	
(ii) Name	 			
Describe				
(iii) Name				
Describe				
(iv) Name				
Describe				

Q.5

Hard water in test tube A was heated and some
water evaporated from it and condensed in test
tube B. Is the water in test tube B hard or soft?
Give a reason for your answer,

Is? _____

Reason



Q.6

The diagram shows an apparatus used to decompose water by passing an electric current through it. The volumes of gases released by this process can be measured as shown.

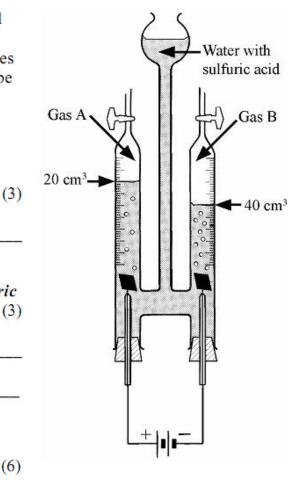
 (i) Name the process which decomposes a substance when electric current is passed through it.

Name _____

(ii) Why is a small amount of *sulfuric* acid added to the water? (3)

Why? _____

(iii) Name gas A and give a test to confirm your answer. (6)



Name _____

Test for gas A _____

(iv) Name gas B and give a test to confirm your answer. (6)

Name _____

Test for gas B_____