AQA Chemistry C6 Aiming for 4 GCSE Checkpoint follow-up student

Name	Class	Date
C6 Electrolysis – Aiming for C	Grade 4	
Aims		
In this activity you will make a poster about e	electrolysis.	
Learning outcomes		
After completing this activity, you should be al		
describe what happens to an ionic substant	•	
 describe what happens at the positive and 	I negative electrodes to form elemen	ts.
Task		
You are going to produce a poster on an A3 s first complete the following questions. You can on to your poster.		
Questions		
1 Choose from the following words to compl	ete each of the sentences below:	
gas electrodes negative ion	s electricity elements	
Ionic solids are made up from	The rods are called One is positive, on	
bonded together.	One to positive, on	o io nogativo.
lons are particles that have a	form	at the electrodes.
positive or charge.	They do not have a	a charge.
The electrolyte is the substance	Bubbles show that	a has
being broken down by	been formed.	

(6 marks)

The six diagrams in the table on the next page show what happens when a substance is electrolysed. Match each of the descriptions a to f that explain what happens during electrolysis with the correct diagram. Then write each description in the space below its diagram.

AQA Chemistry C6 Aiming for 4 GCSE Checkpoint follow-up student

Here are the descriptions to match to the diagrams:

a lons with a positive charge will gain an electron and become an element.

b When an ionic substance is melted or dissolved, the ions are free to move about and conduct electricity.

c An ionic substance cannot conduct electricity when it is a solid.

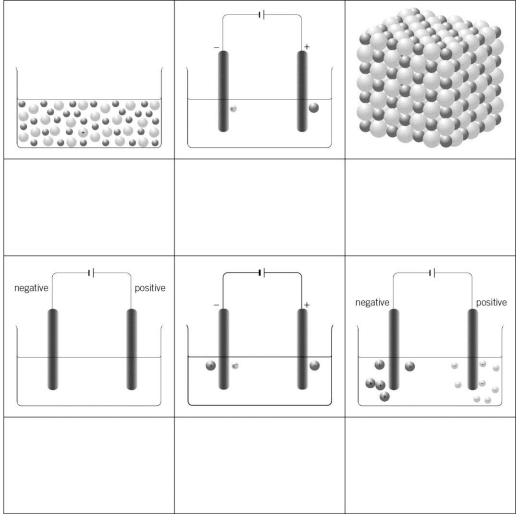
d Electrodes can be placed into molten or dissolved ionic substances to make a circuit.

e lons with a negative charge will lose electrons and become an element.

1 mark)

lons with a positive charge will be attracted to the negative electrode. lons

with a negative charge will be attracted to the positive electrode.



Now cut out the boxes (making sure you keep each box and its description together) and stick them onto your poster. Put them into the correct order to show what happens when an ionic substance is electrolysed.

3 Cut out the boxes you completed in Question 1 and stick them on to your poster as labels. Make sure you link each label with the correct place on the diagrams you have already stuck on.

(1 mark)

(1 mark)