

INTRODUCTION TO ELECTROLYSIS WORKSHEET

1) Fill in the blanks in the questions below, using the words from the **Word Bank** below.

WORD BANK				
electrode	electrolyte	anode	cations	ions
oxidation	electrical	reduction	electrons	electrolysis
anions		electrolytic		cathode

a) conduction occurs when an electric current is caused by the flow of ions.

b) The decomposition of a molten or aqueous ionic substance by the passage of electricity is known as

c) Molten sodium chloride is a liquid conductor which is also known as an

d) conduction occurs when an electric current is caused by the movement of electrons.

e) are attracted to the which is the negatively charged electrode.

f) Metals conduct electricity by the movement of

g) The process of occurs at the positively charged electrode where the ions lose electrons.

h) Graphite is an example of a solid conductor which is also known as an

i) are attracted to the which is the positively charged electrode.

j) The process of occurs at the negatively charged electrons where the ions gain electrons.

..... [continue to next page]

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2) Label the electrolytic cell below in the spaces provided.

