

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.

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

