



SCHOOL			
TEXT	Science Alive 2		
CHAPTER 5	What's in a rock?	PAGE	115
ACTIVITY	How can you use electricity to get a metal from a mineral?		

Experiment Summary

Passing an electric current through a copper sulfate solution using carbon and copper electrodes

PROTECTIVE MEASURES				
GLASSES	GLOVES	DUST MASK	LAB COAT	FUME HOOD
✓			✓	

SAFETY INFORMATION						
REACTANT	HS	DG	CLASS	MSDS DATE	UN	HAZCHEM
COPPER SULFATE (0.5 M SOLUTION)						

Risks <ul style="list-style-type: none"> Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. 	Safety <ul style="list-style-type: none"> Do not breathe gas/fumes/vapour/spray. Avoid contact with skin. Dispose of this material and its container safely.
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FIRST AID	
Swallowed	Contact doctor or Poisons Information Centre. If patient is conscious and more than 15 minutes from doctor, induce vomiting.
Eye	Wash with running water for 15 minutes. Seek medical attention.
Skin	Remove contaminated clothing. Wash skin with soap and water.
Inhaled	Provide fresh air. Keep patient rested and warm. If breathing is shallow, give oxygen. Seek medical attention.

REACTANT	HS	DG	CLASS	MSDS DATE	UN	HAZCHEM
COPPER METAL	Y					

Risks <ul style="list-style-type: none"> Harmful; danger of serious damage to health by prolonged exposure through inhalation 	Safety <ul style="list-style-type: none"> Do not breathe dust. Wear suitable protective clothing. Use only in well-ventilated areas.
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FIRST AID	
Swallowed	Contact doctor or Poisons Information Centre. Give glass of water. Rinse mouth with plenty of water.
Eye	Wash with running water.
Skin	Remove contaminated clothing. Wash with soap and water.
Inhaled	Provide fresh air. Keep patient rested and warm. If breathing is shallow, give oxygen. Blow nose. Rinse mouth with water. Seek medical attention.

CONCLUSION
<ul style="list-style-type: none"> Wear suitable clothing and eye protection.

ASSESSOR/S: DATE:

THIS ASSESSMENT IS VALID UNTIL:

Disclaimer: This Risk Assessment Sheet is provided as a guide only. MSDSs vary between manufacturers so the content of this sheet must be checked against the MSDS provided by the manufacturer of chemicals used in YOUR school laboratories. This sheet must not be used in laboratories until it has been checked against your own MSDS, signed and dated. To the maximum extent permitted by law, the Publisher disclaims all responsibility for actions taken or not taken in relation to the Risk Assessment Sheets.