

# gridlocks – can you unlock the grid?

## Extraction of copper

Before you answer the puzzles below fill in the table of some of the compounds involved in the extraction of copper using:

CH <sub>4</sub>	CuCO <sub>3</sub>	CO <sub>2</sub>	H <sub>2</sub> O
Name	Formula		
copper carbonate			
copper oxide	CuO		
carbon dioxide			
methane			
water			

### Gridlock 1

Each row, column and 2 x 2 box contains information about the first four compounds listed above. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		formula	
	copper carbonate		CH <sub>4</sub>
			CuCO <sub>3</sub>
CuO			carbon dioxide
formula		name	

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## Gridlock 2

Each row, column and 2 x 2 box contains information about each of the first four compounds in the table.

name		formula	
copper oxide			CuCO <sub>3</sub>
			methane
CO <sub>2</sub>			
formula		name	

## Gridlock 3

You will need to identify which four compounds are in this puzzle.

name		formula	
copper oxide			
		CH <sub>4</sub>	
		copper carbonate	
	H <sub>2</sub> O		
formula		name	

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