

gridlocks – can you unlock the grid?

Everyday chemicals

Before you answer the puzzles below fill in the table of everyday chemicals using:

H_2O_2	$\text{C}_2\text{H}_5\text{OH}$	HNO_3	SO_2	CO
Common name				Chemical name
sodium hydroxide				NaOH
silver nitrate				AgNO_3
carbon monoxide				
hydrogen peroxide				
sulfur dioxide				
ethanol				
nitric acid				
manganese(IV) oxide				MnO_2

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	
silver nitrate			NaOH
	CO		hydrogen peroxide
formula			name

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Puzzle 2

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

name		formula	
ethanol			SO ₂
			manganese(IV) oxide
HNO ₃			
formula		name	

Puzzle 3

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

name		formula	
nitric acid			
		SO ₂	
		sodium hydroxide	
	CO		
formula		name	