

gridlocks – can you unlock the grid?

Common compounds 1

Before you answer the puzzles below fill in the table of formula of compounds using:

H_2SO_4	CH_4	CaCO_3	NaCl	H_2O
Name		Formula		
sodium chloride				
calcium carbonate				
carbon dioxide		CO_2		
water				
sulfuric acid				
methane				
ammonia		NH_3		
copper(II) sulfate		CuSO_4		

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	
calcium carbonate			
		H_2O	
		sodium chloride	
	CO_2		
formula		name	

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Gridlock 2

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

name		formula	
	sulfuric acid		CuSO ₄
			H ₂ SO ₄
CH ₄			ammonia
formula		name	

Gridlock 3

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

name		formula	
sulfuric acid			NaCl
			ammonia
CH ₄			
formula		name	

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