

Common compounds

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

H₂SO₄ CH₄ 0	CaCO₃ NaCl H₂O	
Name	Formula	
sodium chloride		
calcium carbonate		
carbon dioxide	CO ₂	
water		
sulfuric acid		
methane		
ammonia	NH ₃	
copper(II) sulfate	CuSO ₄	

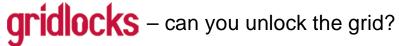
Gridlock 1

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			
		H₂O	
		sodium chloride	
	CO ₂		
forn	nula	na	ame







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
			H₂SO₄
CH₄			ammonia
form	nula	na	ime

Gridlock 3

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

na	me	form	nula
sulfuric acid			NaCl
			ammonia
CH₄			
forn	nula	na	ıme





gridlocks – can you unlock the grid?

Common compounds – answers

H₂SO₄ CH₄ C	CaCO₃ NaCl H₂O	
Name	Formula	
sodium chloride	NaCl	
calcium carbonate	CaCO ₃	
carbon dioxide	CO ₂	
water	H₂O	
sulfuric acid	H ₂ SO ₄	
methane	CH ₄	
ammonia	NH ₃	
copper(II) sulfate	CuSO ₄	

Gridlock 1 - answers

name		formula	
calcium carbonate	water	CO ₂	NaCl
carbon dioxide	sodium chloride	H ₂ O	CaCO₃
H₂O	CaCO₃	sodium chloride	carbon dioxide
NaCl	CO ₂	calcium carbonate	water
forn	nula	na	me





gridlocks – can you unlock the grid?

Gridlock 2 - answers

name		formula	
ammonia	sulfuric acid	CH₄	CuSO ₄
copper(II) sulfate	methane	NH ₃	H ₂ SO ₄
H ₂ SO ₄	NH ₃	copper(II) sulfate	methane
CH₄	CuSO ₄	sulfuric acid	ammonia
formula		name	

Gridlock 3 - answers

name		formula	
sulfuric acid	methane	NH ₃	NaCl
ammonia	sodium chloride	H ₂ SO ₄	CH ₄
NaCl	H ₂ SO ₄	methane	ammonia
CH₄	NH ₃	sodium chloride	sulfuric acid
forn	nula	na	ime



