

Formulas of compounds

Before you answer the puzzles below, fill in the table of four compounds

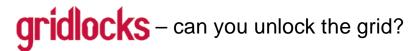
Name	Formula
copper carbonate	CuCO₃
	CuO
carbon dioxide	
methane	CH ₄

Puzzle 1

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

na	me	form	nula
copper oxide			CuCO₃
	carbon dioxide		CH ₄
na	me	form	nula





Puzzle 2

Each row, column and 2 x 2 box contains the compounds iron sulfide, sodium chloride, magnesium oxide and calcium carbonate.

name		formula	
magnesium oxide			
		FeS	
		sodium chloride	
	CaCO₃		
formula		na	me

Puzzle 3

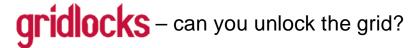
This time you should be able to list the 4 substances:

name		formula	
	water		со
			H₂O
H₂O			
O ₂			hydrogen gas
form	nula	na	me

The 4 substances are:







Formulas of compounds - answers

Before you answer the puzzles below fill in the table of four compounds

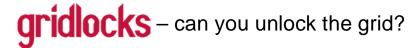
Name	Formula
copper carbonate	CuCO₃
copper oxide	CuO
carbon dioxide	CO ₂
methane	CH ₄

Puzzle 1 - answers

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

name		formula	
copper oxide	methane	CO ₂	CuCO₃
carbon dioxide	copper carbonate	CH ₄	CuO
copper carbonate	carbon dioxide	CuO	CH₄
methane	copper oxide	CuCO₃	CO ₂
name		form	nula





Puzzle 2 - answers

Each row, column and 2 x 2 box contains the compounds iron sulfide, sodium chloride, magnesium oxide and calcium carbonate.

name		formula	
magnesium oxide	iron sulfide	CaCO3	NaCl
calcium carbonate	sodium chloride	FeS	MgO
FeS	MgO	sodium chloride	calcium carbonate
NaCl	CaCO₃	magnesium oxide	iron sulfide
formula		na	me

Puzzle 3 - answers

This time you should be able to list the 4 substances:

name		formula	
hydrogen gas	water	O ₂	СО
carbon monoxide	oxygen gas	H ₂	H₂O
H ₂ O	H ₂	carbon monoxide	oxygen gas
O ₂	СО	water	hydrogen gas
formula		name	

The 4 substances are: carbon monoxide/CO, water/H2O, oxygen/O2, hydrogen gas/H2



