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 ₄ CuCO ₃	CO ₂ H ₂ 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		CH₄
			CuCO₃
CuO			carbon dioxide
form	nula	na	me





Gridlock 2

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

na	me	form	nula
copper oxide			CuCO₃
			methane
CO ₂			
form	nula	na	me

Gridlock 3

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

name		formula	
copper oxide			
		CH4	
		copper carbonate	
	H ₂ O		
form	nula	na	me





Extraction of copper – answers

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

CH₄	CuCO ₃	CO ₂	H ₂ O

Name	Formula
copper carbonate	CuCO ₃
copper oxide	CuO
carbon dioxide	CO ₂
methane	CH4
water	H ₂ O

Puzzle 1 – answers

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	
carbon dioxide	copper carbonate	CuO	CH₄
methane	copper oxide	CO2	CuCO₃
CuCO₃	CO ₂	methane	copper oxide
CuO	CH₄	copper carbonate	carbon dioxide
forn	nula	na	me





Puzzle 2 – answers

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

name		formula	
copper oxide	carbon dioxide	CH4	CuCO₃
methane	copper carbonate	CuO	CO ₂
CuCO₃	CuO	carbon dioxide	methane
CO2	CH4	copper carbonate	copper oxide
forn	nula	na	me

Puzzle 3 – answers

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

name		formula	
copper oxide	methane	H ₂ O	CuCO₃
water	copper carbonate	CH₄	CuO
CH4	CuO	copper carbonate	water
CuCO₃	H ₂ O	copper oxide	methane
formula		name	



