

Flame test colours

Before you answer the puzzles below fill in the table of flame test colours using:

pale green	vellow	no colour	potassium
paic green	ychow	no coloui	potassiani

Metal	Flame test colour	
sodium		
	lilac (purple)	
calcium	brick red	
barium		
lithium	crimson	
copper	green/blue	
magnesium		

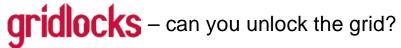
Gridlock 1

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

metal		flame test colour	
sodium			pale green
	barium		
		potassium	calcium
flame test colour		me	etal







Gridlock 2

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

metal		flame test colour	
lithium			
		no colour	
		barium	
	green/blue		
flame test colour		me	etal

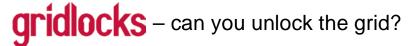
Gridlock 3

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

metal		flame test colour	
	sodium		no colour
			yellow
crimson			calcium
flame te	st colour	me	etal







Flame test colours - answers

Before you answer the puzzles below fill in the table of flame test colours using:

pale green	yellow	crimson	no colour	potassium
Metal		Flame test colour		
sodium		yellow		
potassium			lilac (purple)	
calcium		brick red		
barium		pale green		
lithium		crimson		
copper		green/blue		
magnesium		no colour		

Puzzle 1 - answers

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

metal		flame test colour	
sodium	potassium	brick red	pale green
calcium	barium	yellow	lilac (purple)
lilac (purple)	brick red	barium	sodium
pale green	yellow	potassium	calcium
flame test colour		me	etal





gridlocks – can you unlock the grid?

Puzzle 2 - answers

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

metal		flame test colour	
lithium	magnesium	green/blue	pale green
copper	barium	no colour	crimson
no colour	crimson	barium	copper
pale green	green/blue	lithium	magnesium
flame test colour		me	etal

Puzzle 3 - answers

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

metal		flame te	st colour
calcium	sodium	crimson	no colour
magnesium	lithium	brick red	yellow
yellow	brick red	magnesium	lithium
crimson	no colour	sodium	calcium



flame test colour



metal