

gridlocks – can you unlock the grid?

Elements 4

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

gold Ne Si Hg silver Al Kr xenon

Element	Symbol	Element	Symbol
aluminium			Au
silicon		platinum	Pt
phosphorus	P	neon	
sulfur	S	argon	Ar
mercury		krypton	
	Ag		Xe

Gridlock 1

Each row, column and 2 x 2 box contains information about the first four elements listed above, these are all in period 3. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		symbol	
silicon			Al
	P		sulfur
symbol		name	

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Gridlock 2

Each row, column and 2 x 2 box contains the transition metals gold, silver, platinum and mercury.

name		symbol	
	mercury		Pt
			Hg
Ag			gold
symbol		name	

Gridlock 3

Each row, column and 2 x 2 box contains the noble gases neon, argon, krypton and xenon.

name		symbol	
argon			Ne
			xenon
Kr			
symbol		name	