

gridlocks – can you unlock the grid?

Oxide types

Before you answer the puzzles below fill in the table of the four types of oxide using:



basic

non-metal oxides

name	example	notes
acidic	SO_2	
	MgO	react with acids metal oxides
neutral		reacts with neither acid nor alkaline
amphoteric		react with acids and alkalis

Gridlock 1

Each row, column and 2 x 2 box contains the four types of oxide. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		example	
	acidic		Al_2O_3
			SO_2
MgO			neutral
example			name

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Gridlock 2

Each row column and 2x2 box contains information about the four types of oxide.

name		notes	
basic			non-metal oxides
			amphoteric
H ₂ O			
examples		name	

Gridlock 3

Each row column and 2x2 box contains information about the four types of oxide.

name		notes	
basic			non-metal oxides
	H ₂ O		amphoteric
examples		name	