

# gridlocks – can you unlock the grid?

## Noble gases

Before you answer the puzzles below fill in the table of four noble gases using:

Ne      airships      Kr      He      argon

name	formula	use
helium		
neon		coloured lights
	Ar	filament light bulbs
krypton		lasers

### Gridlock 1

Each row, column and 2 x 2 box contains information about each of the four noble gases in the table. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		formula	
neon			
		Kr	
		airships	
	Ar		
formula		use	

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## Gridlock 2

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

name		formula	
	helium		Kr
			He
Ne			filament light bulbs
formula		use	

## Gridlock 3

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

name		use	
neon			airships
			Kr
filament light bulbs			
use		formula	

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## Noble gases – answers

Before you answer the puzzles below fill in the table of four noble gases using:

Ne      airships      Kr      He      argon

name	formula	use
helium	He	airships
neon	Ne	coloured lights
argon	Ar	filament light bulbs
krypton	Kr	lasers

## Puzzle 1 – answers

Each row, column and 2 x 2 box contains information about each of the four noble gases in the table. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		formula	
neon	krypton	Ar	He
argon	helium	Kr	Ne
Kr	Ne	airships	filament light bulbs
He	Ar	coloured lights	lasers
formula		use	

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## Puzzle 2 – answers

name		formula	
argon	helium	Ne	Kr
krypton	neon	Ar	He
He	Ar	lasers	coloured lights
Ne	Kr	airships	filament light bulbs
formula		use	

## Puzzle 3 – answers

name		use	
neon	argon	lasers	airships
krypton	helium	coloured lights	filament light bulbs
airships	coloured lights	Ar	Kr
filament light bulbs	lasers	He	Ne
use		formula	