

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 | | | | | |
| 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

| name | | formula | |
|---------|--------|---------|----------------------|
| | helium | | Kr |
| | | | He |
| | | | |
| Ne | | | filament light bulbs |
| formula | | use | |

Gridlock 3

| name | | use | |
|----------------------|--|---------|----------|
| neon | | | airships |
| | | | |
| | | | Kr |
| filament light bulbs | | | |
| use | | formula | |