

# gridlocks – can you unlock the grid?

## Rock types 1

Before you answer the puzzles below fill in the table of the three types of rock using:

**metamorphic**


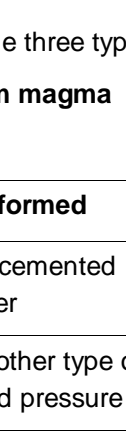
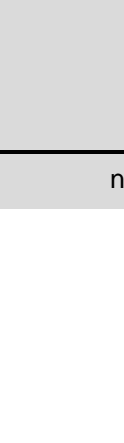
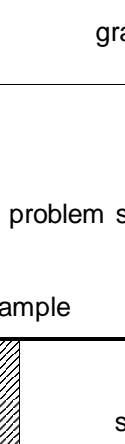
**cooled from magma**

**sandstone**

| Name        | How it was formed                                      | Example |
|-------------|--|---------|
| sedimentary | small particles cemented together                      |         |
|             | changed from another type of rock by heat and pressure | marble  |
| igneous     |  | granite |

### Gridlock 1

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

| name  |  | example  |  |
|---|--|--|--|
| metamorphic   |  |  | sandstone  |
|  |  |  |  |
|   |  |  |  |
| granite   |  |  |  |
| example   |  |  | name   |

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## Gridlock 2

Each row, column and 2 x 2 box contains information about the three types of rock.

| name  |             | how it was formed |                                |
|---|-------------|-------------------|--------------------------------|
|   | sedimentary |                   |                                |
|   |             |                   | small particles stuck together |
|   |             |                   |                                |
| changed from another type of rock by heat and/or pressure |             |                   | igneous                        |
| how it was formed   |             | name              |                                |

## Gridlock 3

Each row, column and 2 x 2 box contains information about the three types of rock.

| name        |         | how it was formed |                                |
|-------------|---------|-------------------|--------------------------------|
| metamorphic |         |                   | small particles stuck together |
|             |         |                   |                                |
|             | granite |                   |                                |
|             |         |                   |                                |
| example     |         |                   | name                           |

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## Rock types 1 – answers

| Name               | How it was formed                                      | Example          |
|--------------------|--|------------------|
| sedimentary        | small particles cemented together                      | <b>sandstone</b> |
| <b>metamorphic</b> | changed from another type of rock by heat and pressure | marble           |
| igneous            | <b>cooled from magma</b>                               | granite          |

## Gridlock 1 – answers

| name        |             | example     |             |
|-------------|-------------|-------------|-------------|
| metamorphic | igneous     |             | sandstone   |
|             | sedimentary | marble      | granite     |
| sandstone   | marble      | igneous     |             |
| granite     |             | sedimentary | metamorphic |
|             | example     |             | name        |

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## Gridlock 2 – answers

| name  |                   | how formed  |                                |
|---|-------------------|---|--------------------------------|
| igneous   | sedimentary       | changed from another type of rock by heat and/or pressure |                                |
|   | metamorphic       | cooled from magma   | small particles stuck together |
| small particles stuck together                            | cooled from magma |   | metamorphic                    |
| changed from another type of rock by heat and/or pressure |                   | sedimentary   | igneous                        |
| how formed  |                   | name  |                                |

## Gridlock 3 – answers

| name        |             | how formed        |   |
|-------------|-------------|-------------------|---|
| metamorphic |             | cooled from magma | small particles stuck together                            |
| igneous     | sedimentary |                   | changed from another type of rock by heat and/or pressure |
| sandstone   | granite     | metamorphic       |   |
|             | marble      | sedimentary       | igneous   |
| example     | name        |                   |   |