

Student tasks

- Complete the two geodoku grids below:

Stack			Cave	Large crack	
		Small fissure		Stack	Arch
Small fissure	Large crack			Arch	
	Stack		Large crack		Stump
Stump	Small fissure		Arch	Cave	
		Large crack			Stack

	Arch		Small fissure	Stump	
Large crack		Stump	Arch		Stack
	Cave	Large crack			Small fissure
Small fissure			Cave		
Cave		Small fissure		Arch	
Stump	Stack	Arch		Small fissure	

- Use the words from the two geodoku grids to label the image of the cliffs at Étretat below:



The cliffs at Étretat, Northern France

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<https://www.flickr.com/photos/berdcris2011/819843835>

- Place the six key words/phrases from the geodoku grids above into a short paragraph to explain the correct sequence of coastal erosion. You should also include the words – headland and/or cliff.
- Use the internet or a text book to find an example of each of the six key words/phrases landforms in the UK e.g. An example of an arch in the UK is Durdle Door in Dorset.

Teaching notes

These two geodoku (a geography based Sudoku) grids use six key words and phrases from the sequence of coastal erosion on a headland. The students need to place one of the six key words and phrases into each empty cell in the grid. Each row, column, and three by two boxes must contain only one of each of the six key words and phrases.

The rules of Sudoku are easy and probably well known to the students although the six by six grids used in this resource is possibly less familiar. .

These two geodoku grids are set at an easy level. Students could be set a time limit if they find this puzzle too easy or you could ask them to design one themselves using the six key words and phrases.

Questions three and 4 allow for further development.

Sudoku grid answers

Stack	Stump	Arch	Cave	Large crack	Small fissure
Large crack	Cave	Small fissure	Stump	Stack	Arch
Small fissure	Large crack	Stump	Stack	Arch	Cave
Arch	Stack	Cave	Large crack	Small fissure	Stump
Stump	Small fissure	Stack	Arch	Cave	Large crack
Cave	Arch	Large crack	Small fissure	Stump	Stack

Stack	Arch	Cave	Small fissure	Stump	Large crack
Large crack	Small fissure	Stump	Arch	Cave	Stack
Arch	Cave	Large crack	Stump	Stack	Small fissure
Small fissure	Stump	Stack	Cave	Large crack	Arch
Cave	Large crack	Small fissure	Stack	Arch	Stump
Stump	Stack	Arch	Large crack	Small fissure	Cave

Suggested extension task

You could ask your students to draw and label a field sketch of the cliffs at Étretat, Northern France.