

gridlocks – can you unlock the grid?

Acids 2

Before you answer the puzzles below fill in the table of about acids using:

H_2SO_4 HNO_3 sodium phosphate hydrochloric acid sodium ethanoate

Name	Formula	Salt formed with sodium hydroxide
	HCl	sodium chloride
sulfuric acid		sodium sulfate
nitric acid		sodium nitrate
ethanoic acid	CH_3COOH	
phosphoric acid	H_3PO_4	
carbonic acid	H_2CO_3	sodium carbonate

Gridlock 1

Each row, column and 2 x 2 box contains information about the first four acids listed above. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		formula	
sulfuric acid			HCl
	HNO_3		ethanoic acid
	formula		name

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Gridlock 2

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

name		salt formed with sodium hydroxide	
hydrochloric acid			sodium ethanoate
	ethanoic acid		
			hydrochloric acid
		sulfuric acid	
salt formed with sodium hydroxide		name	

Gridlock 3

You will need to identify which four acids are in this puzzle.

name		formula	
sulfuric acid			
		H_2CO_3	
		hydrochloric acid	
	sodium phosphate		
salt formed with sodium hydroxide		name	