

Alkalis

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

BaSO ₄	LiCI potassium	hydroxide	Ca(OH)₂
Alkali	Formula	Salt formed with H₂SO₄	Salt formed with HCl
sodium hydroxide	NaOH	Na ₂ SO ₄	NaCl
calcium hydroxide		CaSO ₄	CaCl ₂
	кон	K ₂ SO ₄	KCI
lithium hydroxide	LiOH	Li ₂ SO ₄	
ammonium hydroxide	NH ₄ OH	(NH ₄) ₂ SO ₄	NH ₄ CI
barium hydroxide	Ba(OH) ₂		BaCl ₂

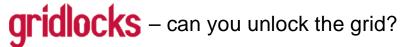
Gridlock 1

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

name		salt formed with sulfuric acid	
calcium hydroxide			Na ₂ SO ₄
			LiOH
K₂SO₄			
salt formed wi	th sulfuric acid	forn	nula







Gridlock 2

Each row, column and 2 x 2 box contains information about potassium hydroxide, lithium hydroxide, ammonium hydroxide and barium hydroxide.

name		salt formed with hydrochloric acid	
barium hydroxide			NH₄CI
	KCI		LiOH
salt formed with hydrochloric acid		form	nula

Gridlock 3

You will need to work out which four alkalis are used in this puzzle.

name		salt formed with hydrochloric acid	
	sodium hydroxide		NH₄CI
			NaCl
BaSO ₄			КОН
salt formed wi	th sulfuric acid	forr	nula





gridlocks – can you unlock the grid?

Alkalis - answers

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

BaSO₄	LiCI	potassium	hydroxide	Ca(OH)₂
			Salt formed	Sa

Alkali	Formula	Salt formed with H₂SO₄	Salt formed with HCI
sodium hydroxide	NaOH	Na ₂ SO ₄	NaCl
calcium hydroxide	Ca(OH) ₂	CaSO ₄	CaCl ₂
potassium hydroxide	кон	K ₂ SO ₄	KCI
lithium hydroxide	LiOH	Li ₂ SO ₄	LiCl
ammonium hydroxide	NH ₄ OH	(NH ₄) ₂ SO ₄	NH ₄ Cl
barium hydroxide	Ba(OH) ₂	BaSO ₄	BaCl ₂

Gridlock 1 - answers

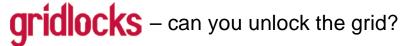
Each row, column and 2 x 2 box contains information about the first four alkalis. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		salt formed with sulfuric acid	
calcium hydroxide	potassium hydroxide	Li ₂ SO ₄	Na ₂ SO ₄
lithium hydroxide	sodium hydroxide	CaSO ₄	K ₂ SO ₄
Na ₂ SO ₄	CaSO ₄	кон	LiOH
K₂SO₄	Li ₂ SO ₄	NaOH	Ca(OH)₂
agit formed with gulfurio gold		form	

salt formed with sulfuric acid formula







Gridlock 2 - answers

Each row, column and 2 x 2 box contains information about potassium hydroxide, lithium hydroxide, ammonium hydroxide and barium hydroxide.

name		salt formed with hydrochloric acid	
barium hydroxide	lithium hydroxide	KCI	NH ₄ Cl
potassium hydroxide	ammonium hydroxide	LiCl	BaCl₂
NH ₄ CI	KCI	Ba(OH) ₂	LiOH
LiCI	BaCl ₂	NH4OH	кон
salt formed with hydrochloric acid		form	nula

Gridlock 3 - answers

You will need to work out which four alkalis are used in this puzzle.

name		salt formed with hydrochloric acid	
potassium hydroxide	sodium hydroxide	BaCl₂	NH₄CI
ammonium hydroxide	barium hydroxide	KCI	NaCl
Na ₂ SO ₄	K ₂ SO ₄	NH₄OH	Ba(OH) ₂
BaSO ₄	(NH ₄) ₂ SO ₄	NaOH	КОН
salt formed with sulfuric acid		forr	nula



