

gridlocks – can you unlock the grid?

State symbols

Before you answer the puzzles below fill in the table state symbols using:

liquid	gas	solid	in aqueous solution
state symbol		meaning	
(s)			
(l)			
(g)			
(aq)			

Gridlock 1

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

state symbol		meaning	
(s)			in aqueous solution
	(aq)		
			(s)
		(l)	
meaning		state symbol	

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Gridlock 2

Each row column and 2x2 box contains the four state symbols listed.

state symbol		meaning	
(l)			
		in aqueous solution	
		(s)	
	gas		
meaning		state symbol	

Gridlock 3

Each row column and 2x2 box contains the four state symbols listed.

state symbol		meaning	
	(s)		in aqueous solution
			solid
liquid			(g)
meaning		state symbol	

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State symbols – answers

state symbol	meaning
(s)	solid
(l)	liquid
(g)	gas
(aq)	in aqueous solution

Gridlock 1 – answers

state symbol		meaning	
(s)	(l)	gas	in aqueous solution
(g)	(aq)	solid	liquid
liquid	gas	(aq)	(s)
in aqueous solution	solid	(l)	(g)
meaning		state symbol	

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Gridlock 2 – answers

state symbol		meaning	
(l)	(aq)	gas	solid
(g)	(s)	in aqueous solution	liquid
in aqueous solution	liquid	(s)	(g)
solid	gas	(l)	(aq)
meaning		state symbol	

Gridlock 3 – answers

state symbol		meaning	
(g)	(s)	liquid	in aqueous solution
(aq)	(l)	gas	solid
solid	gas	(aq)	(l)
liquid	in aqueous solution	(s)	(g)
meaning		state symbol	