

gridlocks – can you unlock the grid?

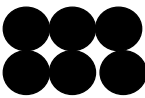
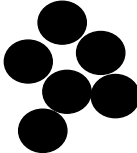
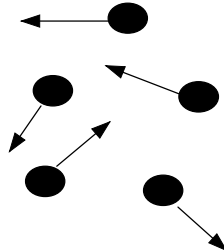
States of matter 1

Before you answer the puzzles below fill in the states of matter using:

fixed size but no fixed shape

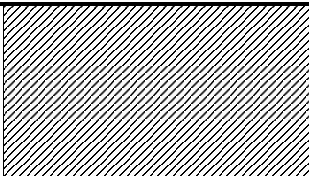
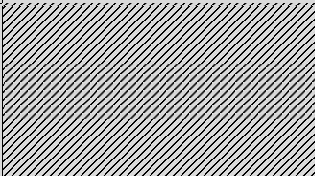
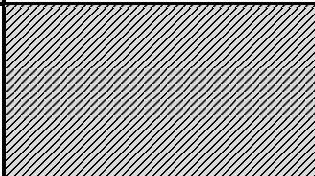
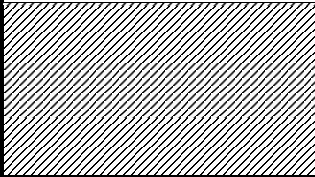
solid

far apart and irregular

Data	States of matter		
		liquid	gas
picture			
size & shape	fixed size and shape		no fixed size or shape
arrangement of particles	close together and regular	close together and irregular	

Gridlock 1

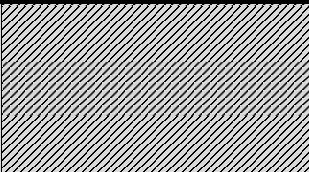


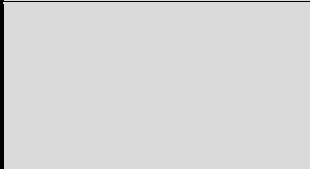
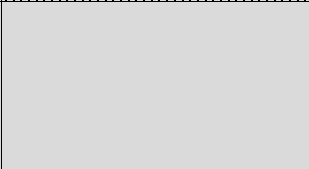
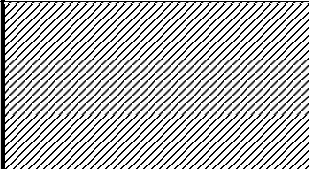

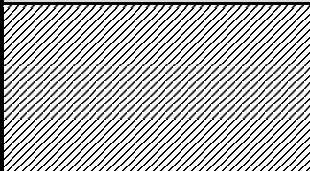

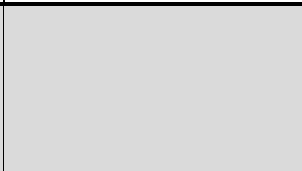

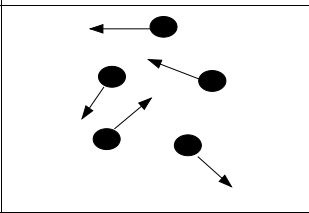
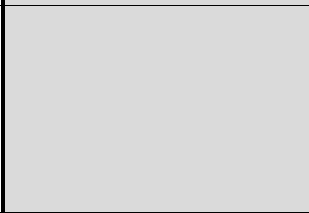
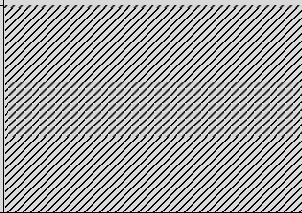
Each row, column and 2 x 2 box contains the three states of matter. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		particles arranged	
solid			
			
	far apart and irregular		solid
		liquid	
particles arranged			name

gridlocks – can you unlock the grid?

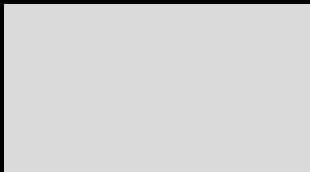

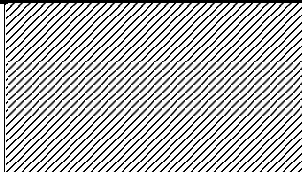
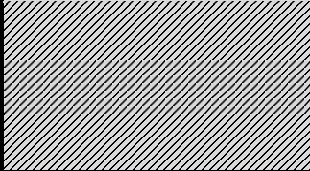

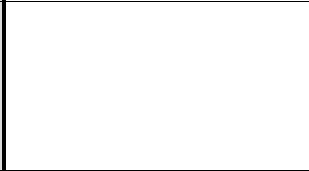

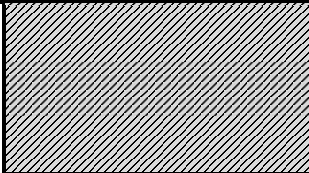
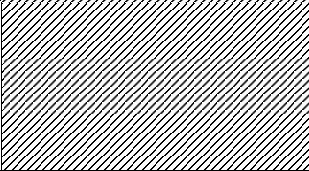

Gridlock 2

Each row, column and 2 x 2 box contains solid, liquid and gas.

name		picture	
liquid			
			
		solid	
			
picture		name	

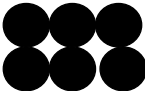
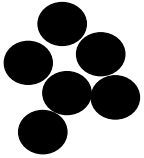
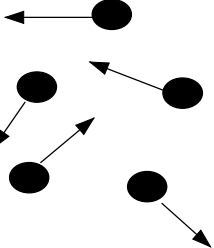
Gridlock 3

Each row, column and 2 x 2 box contains information about solid, liquid and gas.

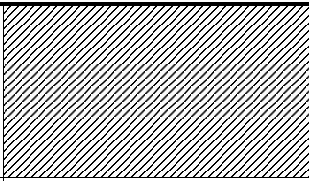
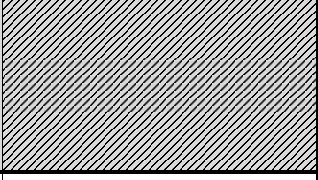
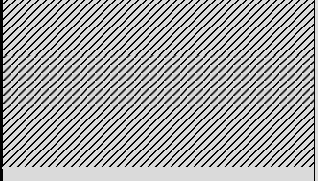
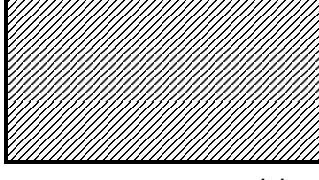
name		size & shape	
	solid		
			fixed size and shape
	no fixed size or shape		liquid
fixed size but no fixed shape			gas
size & shape		name	

gridlocks – can you unlock the grid?

States of matter 1 – answers

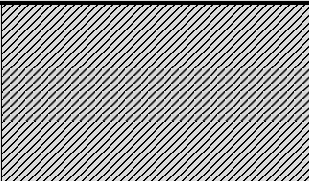
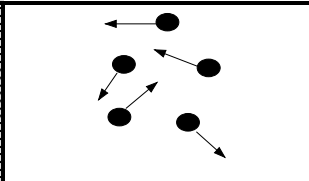
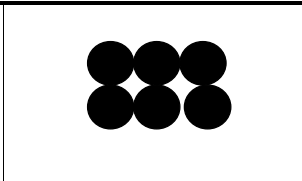
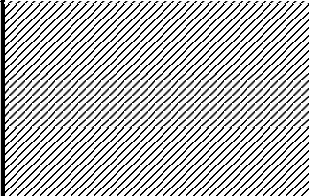
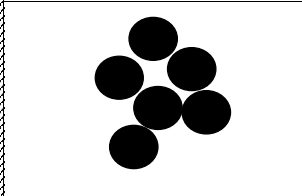
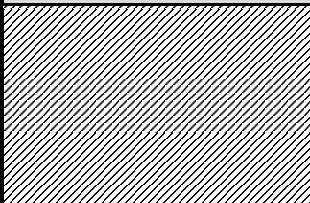
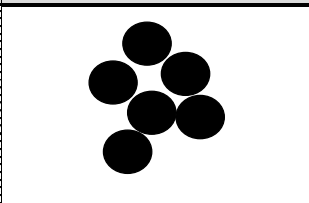
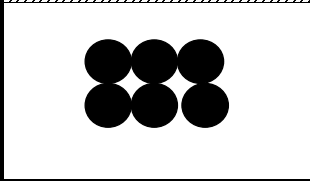
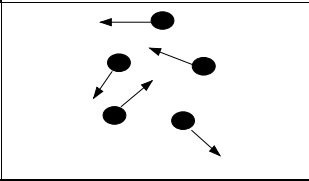
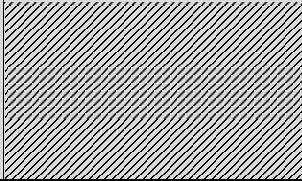
Data	States of matter		
	solid	liquid	gas
picture			
size & shape	fixed size and shape	fixed size but no fixed shape	no fixed size or shape
arrangement of particles	close together and regular	close together and irregular	far apart and irregular

Gridlock 1 – answers

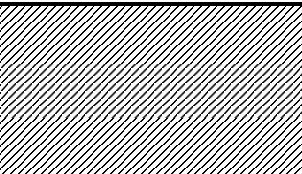
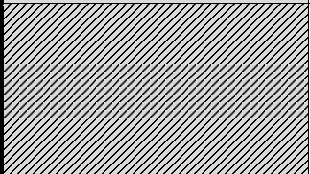
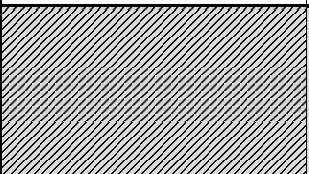
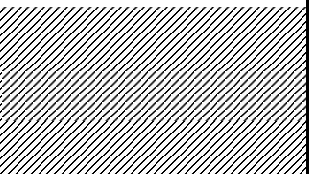
name		particles arranged	
solid	liquid	far apart and irregular	
gas		close together and regular	close together and irregular
close together and irregular	far apart and irregular		solid
	close together and regular	liquid	gas
particles arranged		name	

gridlocks – can you unlock the grid?

Gridlock 2 – answers

name		picture	
liquid			
gas	solid		
		solid	gas
		liquid	
picture	name		

Gridlock 3 – answers

name		size & shape	
gas	solid	fixed size but no fixed shape	
	liquid	no fixed size or shape	fixed size and shape
fixed size and shape	no fixed size or shape		liquid
fixed size but no fixed shape		solid	gas
size & shape	name		