

Symbols

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

temperature melting p		point relative atomic mass ΔH	
Symbol	Meaning	Symbol	Meaning
	standard enthalpy change	V	volume
[A]	concentration of A in mol/dm ³	Tm	
Т		R	gas constant
m	mass	Mr	relative formula mass
n	mol	Ть	boiling point
Р	pressure	Ar	

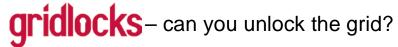
Gridlock 1

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

symbol		meaning	
[A]			
		mass	
		ΔΗ	
	temperature		
mea	ning	syn	nbol







Gridlock 2

Each row, column and 2 x 2 box contains information on the symbols R, Mr, Tb and Ar.

symbol		meaning	
	R		relative atomic mass
			gas constant
relative formula mass			Ть
mea	ning	syn	nbol

Gridlock 3

Each row, column and 2 x 2 box contains information on the symbols n, P, V and T_m.

symbol		meaning	
P			mol
			T _m
volume			
mea	ining	sym	nbol





gridlocks - can you unlock the grid?

Symbols - answers

Symbol	Meaning	Symbol	Meaning
ΔΗ	standard enthalpy change	V	volume
[A]	concentration of A in mol/dm ³	Tm	melting point
Т	temperature	R	gas constant
m	mass	Mr	relative formula mass
n	mol	Ть	boiling point
Р	pressure	Ar	relative atomic mass

Gridlock 1 - answers

symbol		meaning	
[A]	m	temperature	standard enthalpy change
Т	ΔΗ	mass	concentration of A in mol/dm ³
mass	concentration of A in mol/dm ³	ΔΗ	Т
standard enthalpy change	temperature	[A]	m
meaning		syn	nbol





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Gridlock 2 - answers

symbol		meaning	
Ть	R	relative formula mass	relative atomic mass
Ar	Mr	boiling point	gas constant
gas constant	boiling point	Ar	Mr
relative formula mass	relative atomic mass	R	Ть
meaning		sym	nbol

Gridlock 3 - answers

symbol		meaning	
Р	V	melting point	mol
Tm	n	pressure	volume
mol	pressure	V	Tm
volume	melting point	n	Р
mea	ining	sym	nbol



