

The Periodic Table

Elements

_____ are pure chemicals. They cannot be _____ into parts. They can only be joined together.

Some elements are:

Compounds

_____ are made of elements joined together.

Some compounds are:

The periodic table

By 1800 scientists had started sorting out the elements into _____. Many elements had not yet been discovered. In 1869 a _____ scientist called Dmitri Mendeleev put elements in order by how heavy they were. He made a chart and called it the _____. He called the columns _____. Chemicals that are in the same groups do the same sort of things (for example all the elements in group 7 are poisonous to humans !!)

Missing words:

groups	Russian	periodic	table
groups	compounds	elements	split
elements	Carbon dioxide	oxygen	iodine
Water (hydrogen oxide)	magnesium	zinc	Calcium sulphate
nitrogen	copper		

This is a periodic table. Colour in:

The Periodic Table																		
1	2	Groups										3	4	5	6	7	8	
												H						He
Li	Be											B	C	N	O	F	Ne	
Na	Mg											Al	Si	P	S	Cl	Ar	
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	

Group 1	red
Group 2	purple
hydrogen	orange
Group 8	yellow
Group 7	green
Group 3 4 5 6	blue
Transition metals	pink

Questions

How many groups are there in the periodic table?

How many elements are there in group 1 ?

How many elements are there in the transition metals?

Which group is Cl (chlorine) in ?

Which groups is Na (sodium) in?

Which group is Co (cobalt) in?

Which of these elements is the odd one out? Li Na Mg K Rb Cs

This is another picture of the periodic table. Colour in all the metals orange and the non-metals yellow.

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1	2	Groups										3	4	5	6	7	8	
												H						He
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Na	Mg											Al	Si	P	S	Cl	Ar	
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	

Which side of the periodic table are all the metals on?

Is calcium a metal?

Is oxygen a metal?

Is mercury (Hg) a metal?