



GCSE Physics Complete Revision Summary

Key Concepts in Chemistry

Topics Covered:

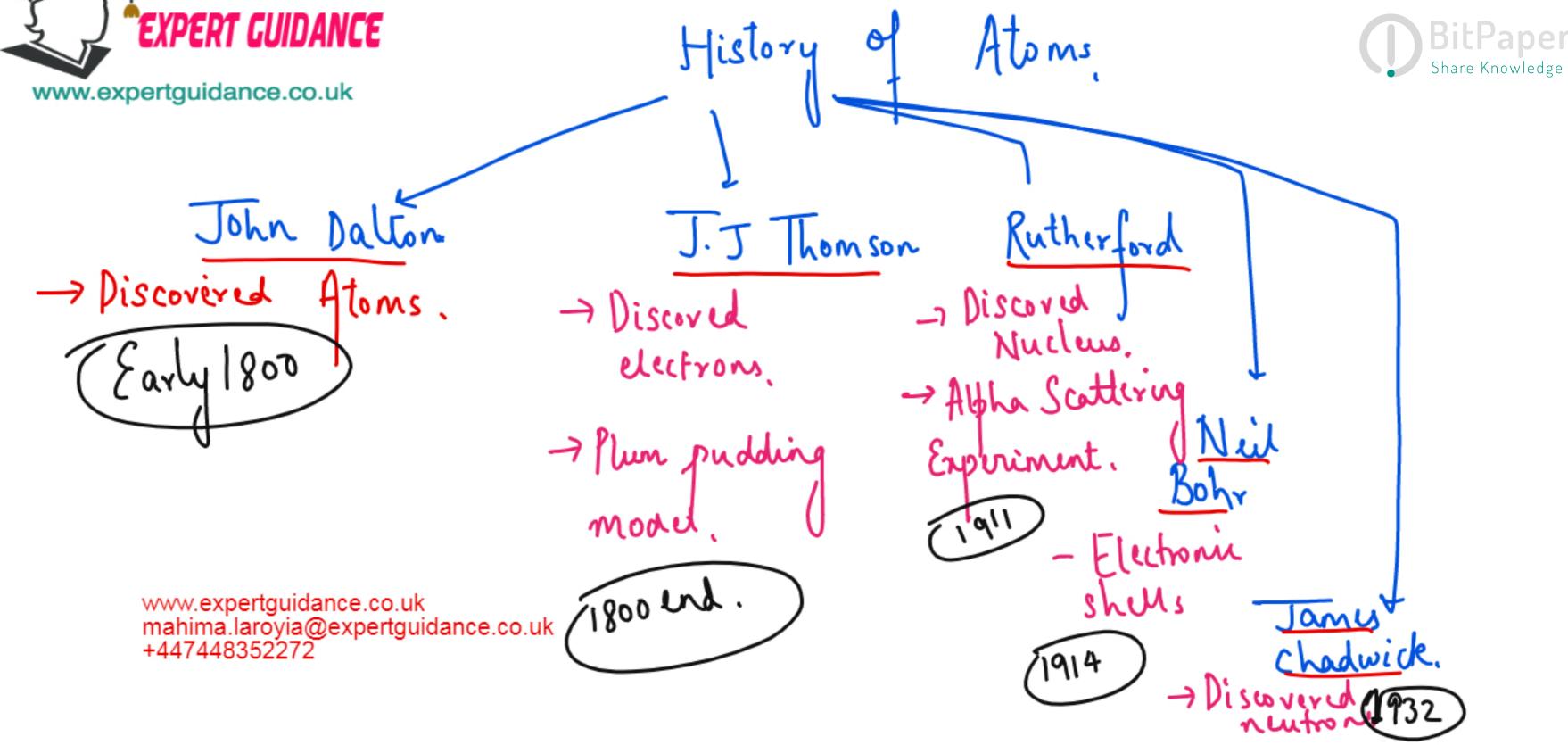
a) Atomic Structure



- b) Periodic Table
- c) Structure and Bonding
- d) Quantitative Chemistry
- e) Chemical Changes
- f) Energy Changes



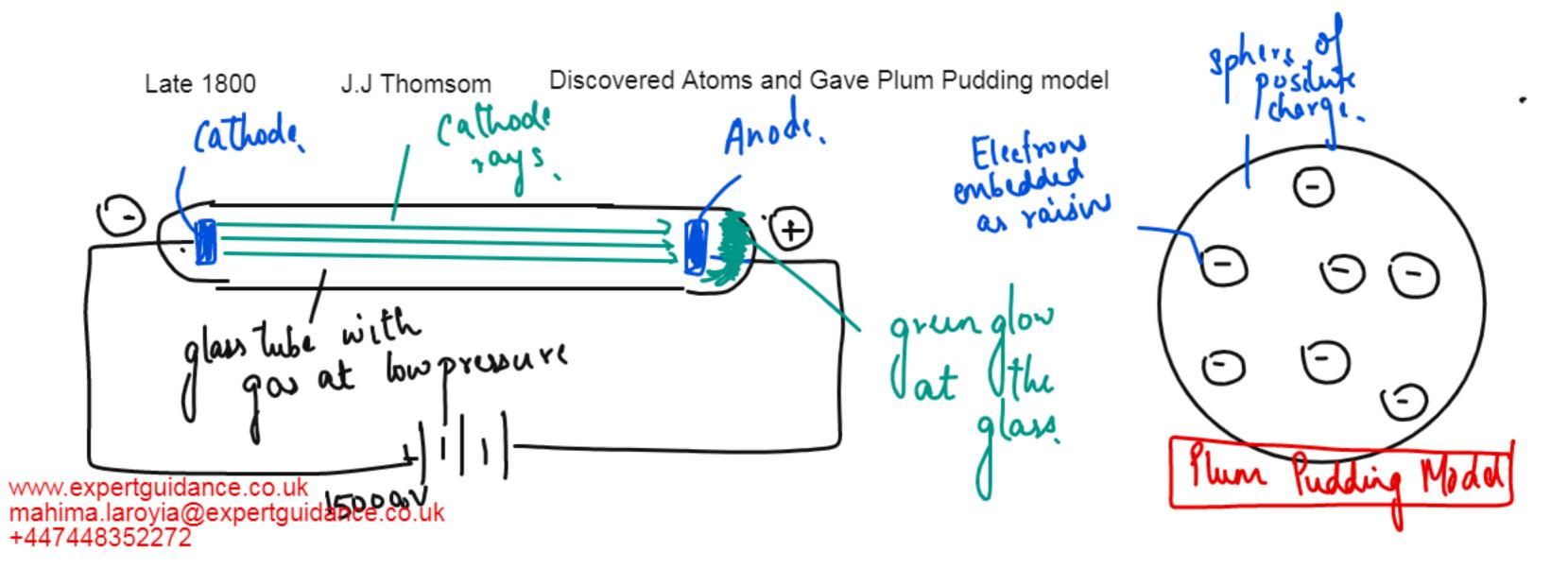


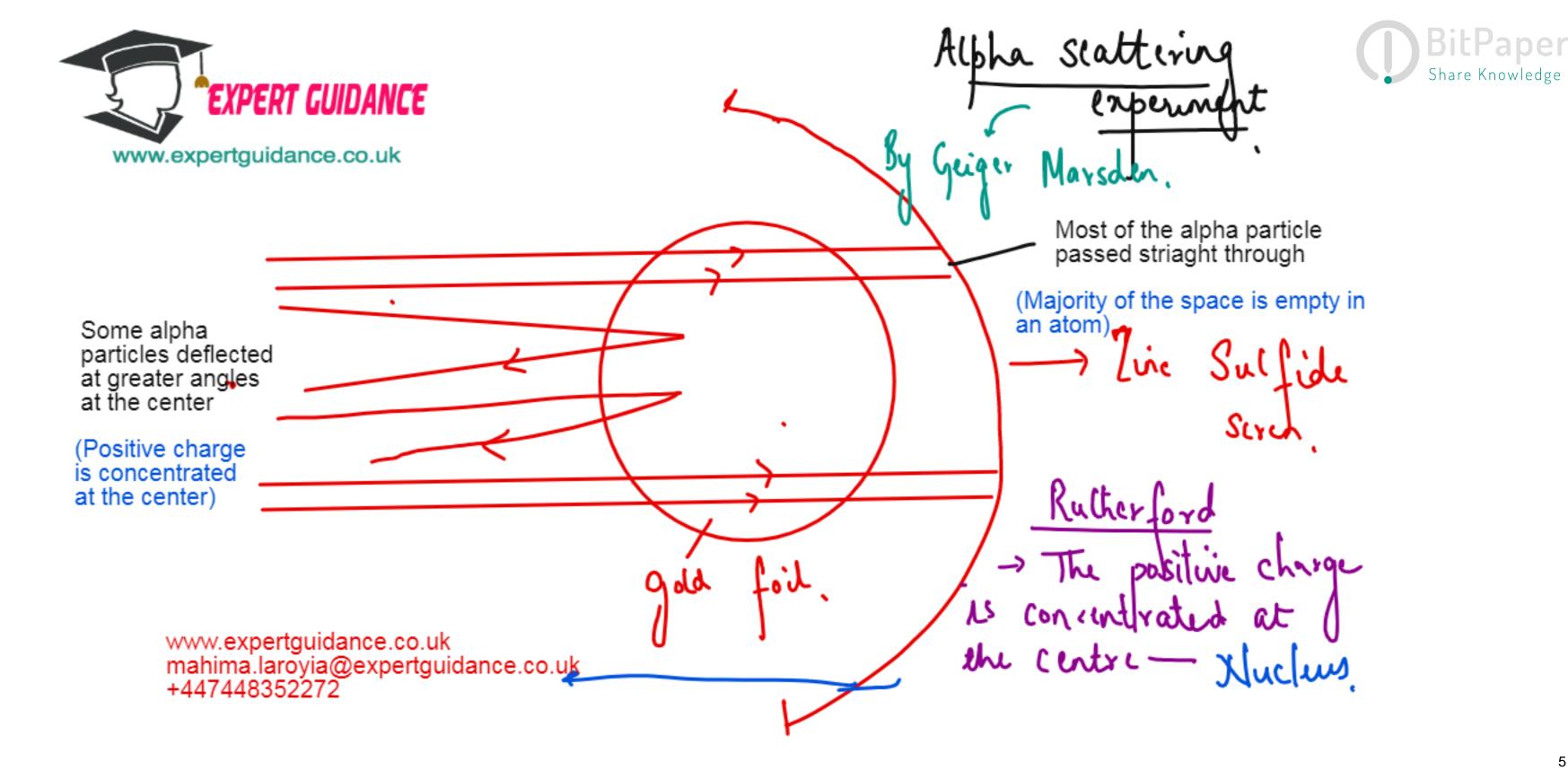






Early 1800: John Dalton: Everything that has mass or volume is made up of atoms which is indivisible.









1914: Neil Bohr Idea of Electronic Shells

Energy given by atoms when heated had only specific amount of energy

So Electrons are orbiting at the specific energy levels called the electronic Shells

1932 : James Chadwick Discovered Neutrones

Due to difference in mass of protons and the nucleus.

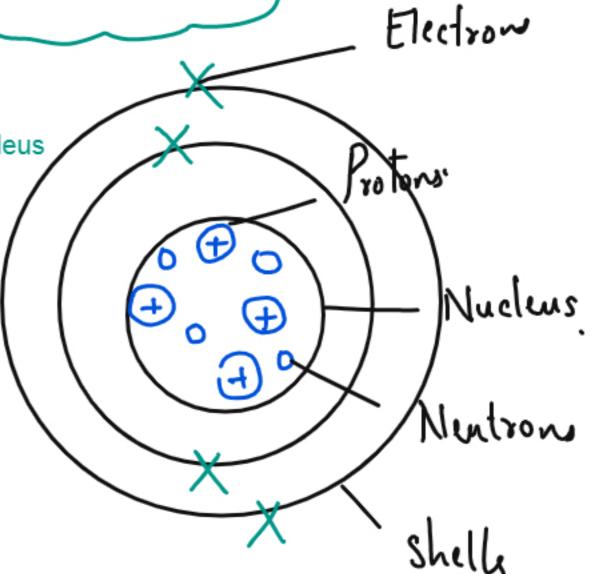




ATOM IS NEUTRAL

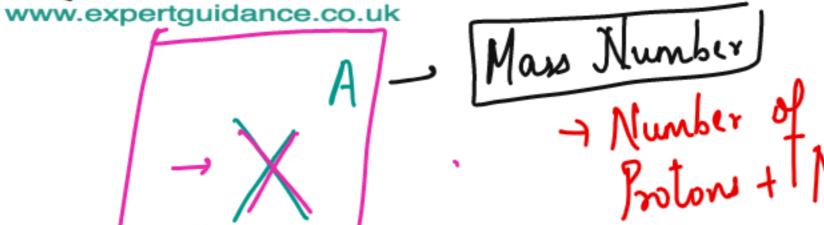
STRUCTURE OF ATOMS

	Relative Charge	Relative Mass	Position in the atom
Electron	1	1/2000	around the nucleu in shells
Proton	+1	١	In the nucleus
Neutron	O		In the nucleus









Atom is neutral so it has equal number of proton and neutrons

Electron: — Z

Proton — 7

Neutron — A – Z

www.expertguidance.co.uk mahima.laroyia@expertguidance.co.uk +447448352272

- Number of Protons

- Number of Elections



ELECTRONIC CONFIGURATIONS



Shell No	I.	I	111	1	
Max No of Electron	2	8	8	18	For example

Soduin = No of electron =
$$2,8,5$$

Magnesier = 12^{11} = $2,8,2$



Electronic Configuration of first elements



- a) All Elements React to gain full outer shell
- b) The number of electron in the outermost shell is the group number of the elements
- c) Elements in the same group have same number of electron in their outer most shell

Aluninia	13	2,8,3
Silicon	14	2, 8, 4
Phosphare	2ا ݕ	2,8,5
Swyster	11	2,8,1
Chlorine	17	2,8,7
Argon	18	2,8,8
Potessian	19	5,8,81
sugher	50	218,815

Hydrogen 1 Huin 2 Lithium 3 Beryllium 4 Boron 5 Carbon 6 Nitroger 7 Nitroger 9 Phon 10 Sodien 11 Magnisium 12 2 2 2 2 2 2 2 2 2 2 2 2	Element	Atomic Number	Configuration
dithium 2 2 2 1 1 2 1	Hydrogen	1	t) (
Beryllian 4 2,2 Boron 5 2,3 Carbon 6 2,4 Nitroger 7 2,5 Origen 8 2,5 Fluorise 9 2,8 Sodien 11 2,8	luin i	2	2
Boron 5 2,3 Carbon 6 2,4 Nitroger 7 2,5 Orngen 8 2,5 Fluorine 9 2,4 Noon 10 2,8 Sodien 11 2,8		3	2,,
Carbon 6 2,4 Nitroger 3 2,5 Organ 8 2,5 Fluorise 9 2,7 Noon 10 2,8 Sodien 11 2,8	Beryllian	4	2,2
Carbon 6 2,4 Nitroger 3 2,5 Organ 8 2,5 Fluorise 9 2,7 Noon 10 2,8 Sodien 11 2,8	BOXON	5	213
2,5 Fluerine 9 2,5 Noon 10 2,8			2,4
2, 5 Fluerine 9 2, 7 Noon 10 2, 8 Sodien 11 2, 8	Nitroger	4	2,5
Noon 10 2,8 Sodiin 11 2,8,1	my en	8	
Noon 10 2,8 Sodiin 11 2,8,1	Fluerific	٩	
2,8,1		10	
Menantana		l	
	Magnisum	12	,





Lons

Charged Atoms (Unequal number of proton and neutrons)

Positive lons

7 Loss of electrons

- → So more protons than Electrons
- Atoms gain positive charge equal to the number of electron lost

+1 charge so lost one electron

www.expertguidance.co.uk 24 mahima.laroyia@expertguidance.co.uk +447448352272

+2 charge as it has lost two electrons

- Negative Ions
- Gain of electrons
- More electrons than protons
- Atoms gain negative charge equal to the number of electrons gained

2-

— -2 charged as it has gained two electrons

Mahima Laroyia



Neutron Electron

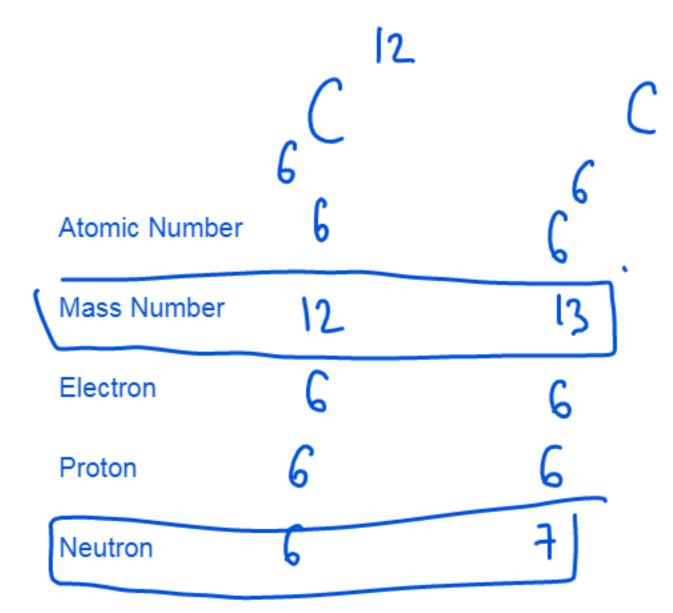
12 P



8 O	2-
8	8
8	8
8	10

EXPERT GUIDANCE www.expertguidance.co.uk		23 11 Na	[A127]3+	[8012]2-	BitPaper Share Knowledge
	Atomic Number	11	13	8	
	Mass Number	23	27	l	
	Electron Number	li .	10	lo	
	Proton Number	/\	13	8	
	Neutron Number	12	14	8	
www.expertguidance.co.uk mahima.laroyia@expertguidan +447448352272	nce.co.akge	0	+3	-2	_
+447448352272	Electronic Configurat	on 2,8,1	2,8	2	





Isotopes



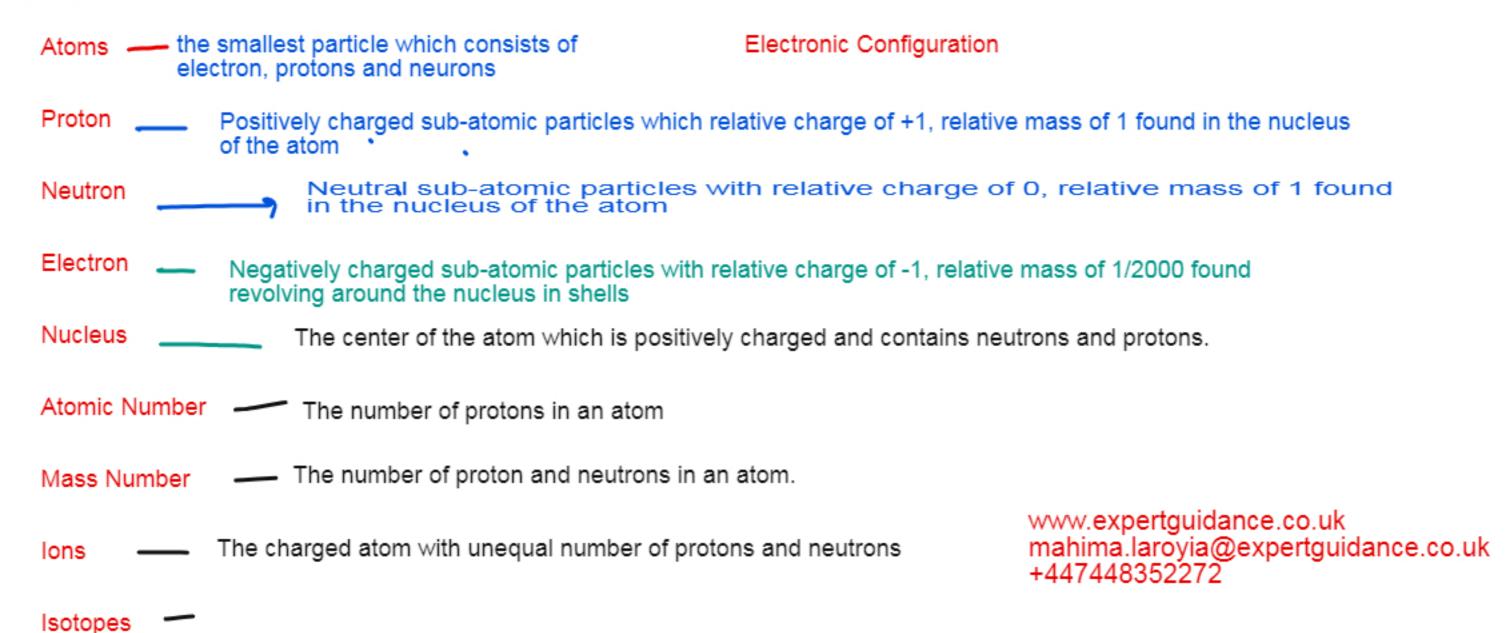
- a) Members of the same elements
- b)Have same atomic number but different mass number
- c) Same number of electron and protons but different neutrons
- d) Since electron numbers are the same they show similar chemical properties
- e) They have different physical properties and radiactive properties.



Key Terms



www.expertguidance.co.uk







TEST YOURSELF !!!!

Positively charged subactomic particle

Negatively charge subatomic particle

Electrons was discovered by

Neutrons was discovered by

Model given by J.J Thomson

Q1 How to work out the neutron number of an atom?

Q2 What do elements in the same group have in common?

Q3 Why isotopes have similar chemical properties

Q4 Draw Structure of Calcium Atom

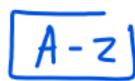




Q1 How to work out the neutron number of an atom?

Mass number - Atomic Number





Q2 What do elements in the same group have in common?

They have same number of electrons in the outermost

Q3 Why isotopes have similar chemical properties

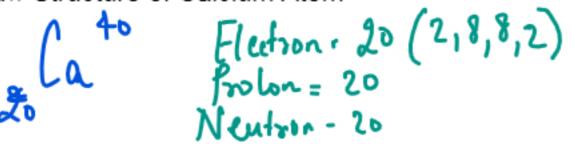
Since they have equal number of electrons they show similar chemical properites

shell. For example, sodium potassium both group 1 has one electron in their outermost shells

Electrons was discovered by _____ J.J Thomson James Chadwick Neutrons was discovered by Model given by J.J Thomson _____ Plum Pudding Model Q4 Draw Structure of Calcium Atom

Positively charged subactomic particle — Protons

Negatively charge subatomic particle — Electrons







NEXT STEP !!!!!



www.expertguidance.co.uk

Check the specification



Try Exam Questions on this topic



- a) Atomic Structure and Mixtures
- b) Periodic Table
- c) Structure and Bonding
- d) Quantitative Chemistry
- e) Chemical Changes
- f) Energy Changes

GCSE Complete Revision Summary



Key Concepts in Chemistry

- 4.1.2.1 The periodic table
- 4.1.2.2 Development of the periodic table
- 4.1.2.3 Metals and non-metals
- 4.1.2.4 Group 0
- 4.1.2.5 Group 1
- 4.1.2.6 Group 7





DEVELOPMENT OF THE PERIODIC TABLE

www.expertguidance.co.uk

John Dalton

8081

Published table of Elements

Elements were arranged in the order of increasing atomic weights.

www.expertguidance.co.uk mahima.laroyia@expertguidance.co.uk +447448352272



Gave Newland law of Octaves

arranged elements according to atomic weights.

Found similarities in the first elements and the eighth element like octaves

→ Worked well upto calcium

Since all the elements were not discovered at that time and he organised all known so the pattern did not fit.

Dmitri Mendleev

arranged elements

according to atomic weights

found patterns of similarities within elements

Left gaps where the elements did not fit the pattern which later helped to find the undiscovered elements

→ Not all elements fit into this pattern





Mendleev's Table Shortcomings

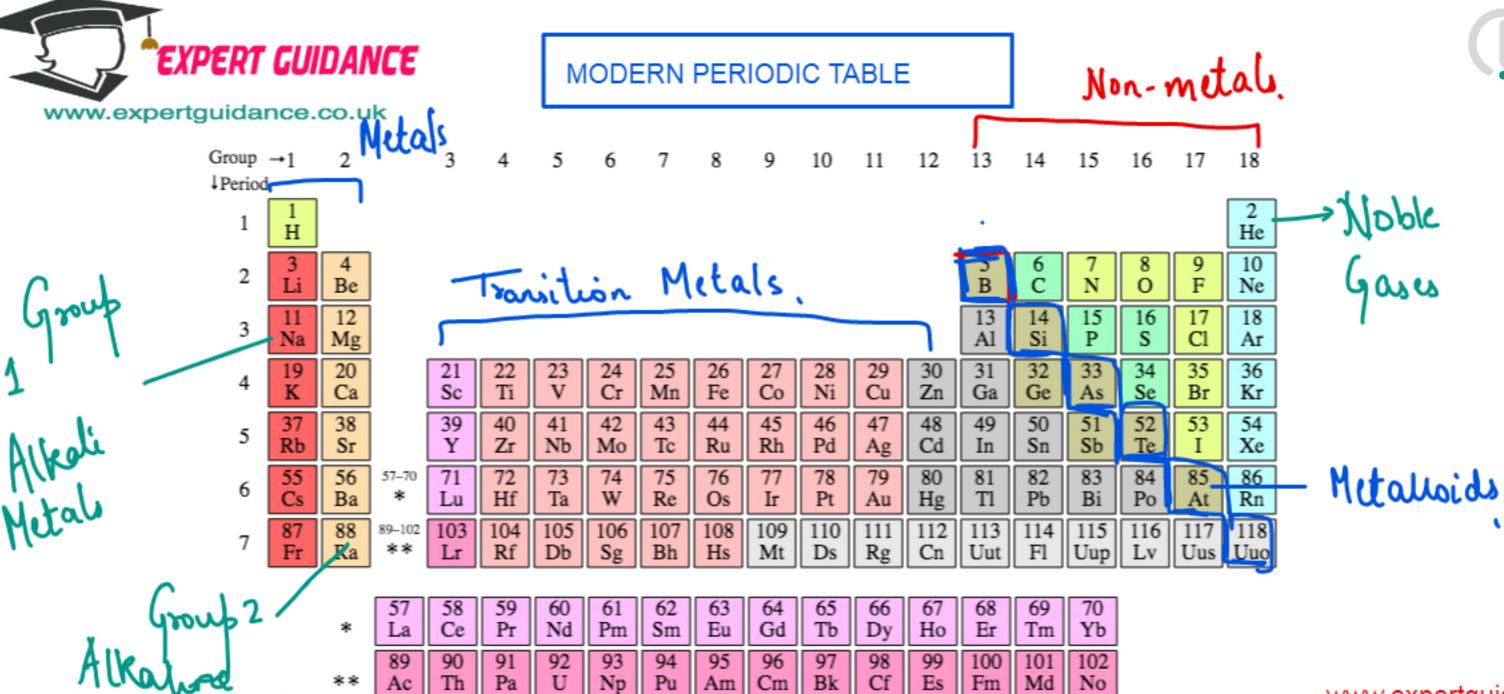
- Argon atoms have a greater relative mass than potassium which will place Argon in the group of sodium and lithium and potassium in the group of noble gases.
- Many other elements were found not fitting this pattern and were swapped by Mendleev's to maintain the periodicity.

Present Periodic Table

Organise the elements in the order of increasing atomic number

All the shortcoming due to atomic weights were solved by organising the elements in the order of increasing atomic number.

Heavy atoms are due to the presence of different isotopes of the elements.



Source: Wikipedia

www.expertguidance.co.uk mahima.laroyia@expertguidance +447448352272

BitPaper

Share Knowledge







BASIS	METALS	NON METALS
Appearance	They are Shinny and lusturous	They are dull in apperance
Position	Found in the left.	Found in the right
Conductors	Metal are good conductors	Non-metals are insulators except graphite
Malleability	Metals are Malleable	Non metals are not malleable
Ductility	Metals are ductile	Non metas are ductile
lons	loose electrons and form + ions	gain electrons and form - ions
Density, mp and bp	They have high densities, mp and bp	They have low density, mp and bp
Examples	Sodium, potassium Group 1, 2 and 3	Carbon , Sulphur Group 4, 5 , 6 and 7



GROUPS IN THE PERIODIC TABLE



Group Number	Common Name	Reason for the name	Properties	Examples
Group 0	Noble Gas	They are stable as they have full outer shell therefore they do not react.	They are stable, unreacrtive. They have full outershell electronic configuration. They are found at extreme right.	Helium, neon, Argon, Krypton, Xenor Radon
Group 1	Alkali Metals	They are metals and react with water to form alkali (metal hydroxide)	They are reactive, have one electron in their outermost shell. Loose one electron and form +1 ions to gain full outer shell configuration.	lithium, sodium, potassium, rubidium, cesium, and francium.
Group 2	Alkaline Earth Metals	These metals react with water to form alkalis (metal hydroxide) and they are formainly in rocks.	They are reactive, have two electrons in their outermost shell. Loose two electron and form +2 ions to gain full outer shell configuration.	beryllium (Be), magnesium (Mg), calcium (Ca), strontium (Sr), barium (Ba), radium (Ra).
Group 7	Halogens	They react with metals to form salts so they are names are (Halo= salt + Gens= forming)	They are reactive, have seven electrin their outermost shell. Gains one electron to form -1 ions to gain full outershell configuration	ons fluorine, chlorine, bromine, iodine, and astatine
·		I		experiouidance co i



Elements	Symbol	Electronic Configuration	Properties
dithium	نا پي	2,1	Least Reactive in the series
Sodium	11 Na 23	2,8,1	More reactive than lithium but less reactive then sodium
Potassium	19 K39	۱,8,8,1	More reactive than sodium
Rubidiun	32 RL 35	2,8,8,18,1	Highly reactive
Caesiun	و ر د ر د ر د ر د د د د د د د د د د د د	2,8,8,18,18,1	Too reactive
Francium	84 fr >23	2, 8, 8, 18, 18, 32,	Unstable radioactive reactive



INCREASES

DUE TO

INCREASE

IN TENDENCY

OF LOOSING

ELECTRONS



GROUP 1: Alkali Metals Physical Properties





They are highly reactive







They loose one electron and form +1 ions.



They are stored in kerosene or oil to prevent them reacting from air and water



They are soft, silvery and shinny.

www.expertguidance.co.uk mahima.laroyia@expertguidance.co.uk +447448352272



They look dull in air as they react with oxygen and form oxide which coats their surface



Lithium is less reactive and francium is highly reactive.



📤 They have low molting and beiling point and the molting and beiling point degreeses down the group



REACTION WITH WATER

Reacts with water to metal hydroxide

- -> Metal hydroxide are alkali therefore the pH increases. Reactivity increases down the group so potassium reacts violently
- Fizzing is produced due to the formation of hydrogen.

Group 1: Alkali Metals Chemical Properties

M= Li, Na, K



REACTION WITH OXYGEN

Reacts with oxygen to form a metal oxide

$$2M + O_2 \longrightarrow M_0$$

Metal goes dull in air due to this reaction.

REACTION WITH HALOGENS

React with halogens to form metal halides

$$2M + \chi_2 \rightarrow \chi M \chi$$

→ Metal halides are while solids but dissolve in water to form colourless solutions.



REACTION WITH WATER



LITHIUM	SODIUM	POTASSIUM
2 hist2430 - 2 lione + H2/g)	2 Na +24,0 -> 2 Nao4 + H2(9)	2 K+ 420-3 KOM+ H (1) KOM+ H (2)
Floats in water due to less denisty than water	Floats in water due to less denisty than water	Floats in water due to less denisty than water
Fizzes due to the formation of hydrogen gas.	Fizzes due to the formation of hydrogen gas.	Fizzes due to the formation of hydrogen gas.
Shape is retained while reacting and gets smaller.	It melts into a call while reacting.	Melts into a ball, catches fire and produces a lilac flame.
		www.expertguidance.co.uk mahima.laroyia@expertguidance.co.uk



WHY REACTIVITY OF GROUP 1 INCREASES DOWN THE GROUP?

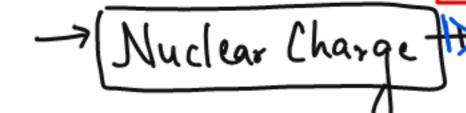
Share Knowledge

The Reactivity of Group 1 increases down the group

as the tendency to loose an electron increases down the group.

FACTORS AFFECTING TENDENCY TO LOOSE AN ELECTRON

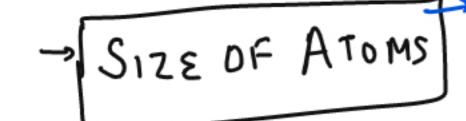
To loose an electron small nuclear charge greater size of atom and greater shielding is required



Muclear Charge Douter electron becomes further away Great the size of the atom, the from the nucleus decreasing the nuclear charge



More the number of inner electrons due to increases in number of shell greater will be the shielding of the outer electron from the nuclear charge



Greater the size of the atom, the outer electron will become further away from the nucleus resulting in decreases in nuclear charge

Down the group the atom size increases due to increase in number of electron shells. This results in the outer electron being further away from the nucleus.

As the outer electron becomes further away from the nucleus the nuclear charge decreases. Increase in number of shells also increases the shielding and shields the outer electron from the nuclear charge.

Therefore, the tendency of atom to loose an electron increases down the group resulting in increase in reactivity down the group.



GROUP 7: Halogens (Salt Forming)



Element	Symbol	Electronic Configuration	State at room temperature
Fluorine	a F	2,7	Yellow Gas
Chlorine	17 Cl 35	2,8,7	Green Gas and pale grun in solution
Bromine	βν 8° 35	. 21.8, 18,7	Volatile brown liquid
lodine -	23 I 154	2,8,18,18,7	Volatile purple solid
Astatine	85 At	2,8,18,32,187	Radioactive

REACTIVITY

DECREASES

DUE TO

DECREASE

IN

ELECTRON

AFFINITY



GROUP 7: Halogens : Physical Properties



- They are non metals
- They gain an electron to form -1 ions.
- They have low melting and boiling points
- Their melting point increases down the group due to increases in intermolecular forces.
- They are found in pairs and exist as diatomic molecules (X₂)
- They are poisonous and smelly
- Their reactivity increase down the group
- Their density increases down the group.
- They are poor conductors of heat and electricity



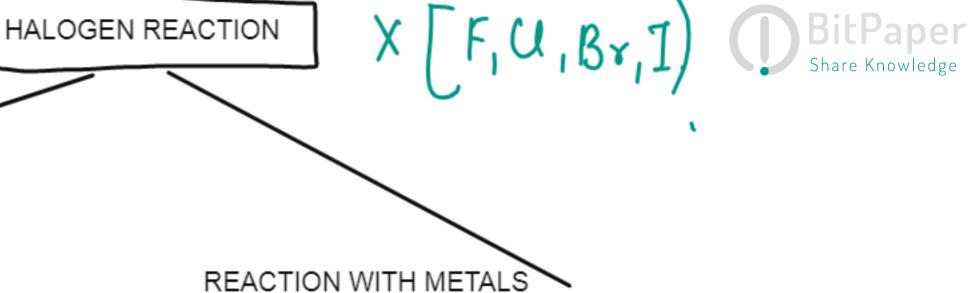
REACTION WITH HYDROGEN

They react with hydrogen to form hydrogen halides.

$$X_{2(9)} + H_{2(9)} \rightarrow 2HX_{(9)}$$

Reactivity decreases down the group so fluorine and chlorine reacts explosively and bromine and iodine reacts at higher temperature in the presence of catalyst.

/www.expertguidance.co.uk mahima.laroyia@expertguidance.co.uk +447448352272



They react with metals to form ionic compounds. In Ionic compounds, halogens gain one electron from the metals to form -1 ions and attain noble gas electronic configurations.

9 Nast
$$U_{2(g)} \rightarrow Nau_{(s)}$$

Mg t $U_{2(g)} \rightarrow Mg U_{2(s)}$



DISPLACEMENT REACTION

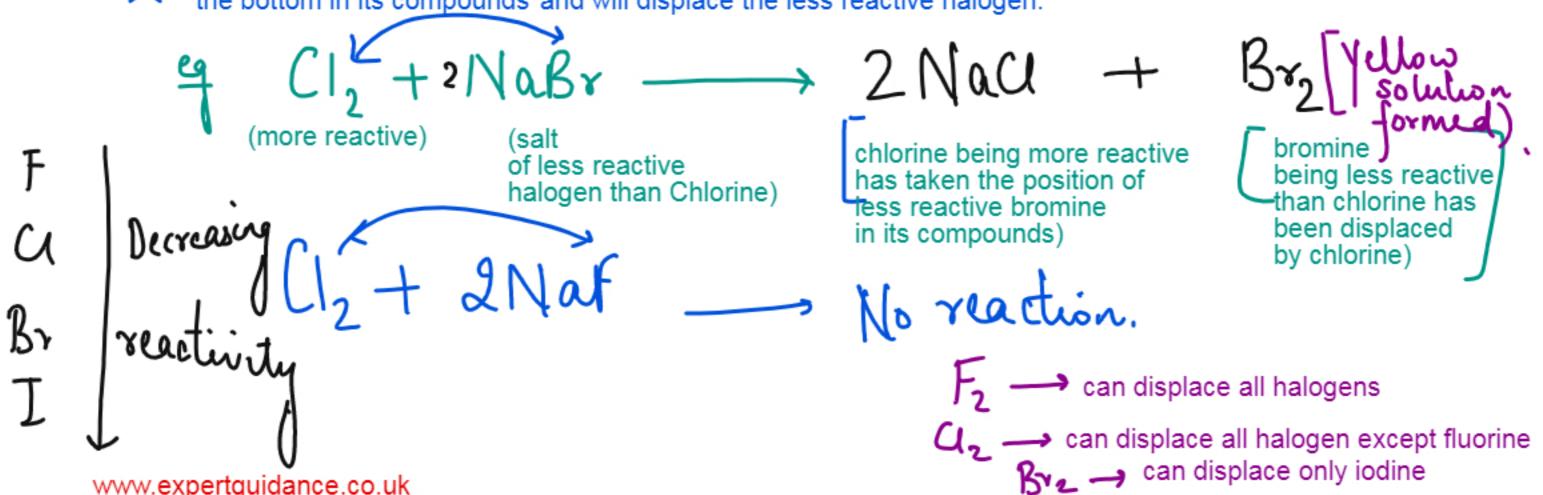




The more reactive halogen displaces the less reactive halogen from its salt



As the reactivity decreases down the group, the halogen at the top can take the position of the halogen at the bottom in its compounds and will displace the less reactive halogen.



www.expertguidance.co.uk

15



WHY REACTIVITY OF GROUP 7 DECREASES DOWN THE GROUP?



The Reactivity of Group 7 decreases down the group as the electron affinity or tendency to gain the electron decreases down the group.

FACTORS AFFECTING TENDENCY TO GAIN AN ELECTRON

To gain an electron, smaller nuclear charge smaller size and less shielding is required

Nuclear Charge H Smaller the size of the atom, greater will be the force of the nucleus as the electron will be alcount "

SHIELDIN G

Less electrons and shells, smaller will be the shielding which will in turn increase the nuclear charge.



Greater the size of the atom, the outer electron will become further away from the nucleus resulting in decreases in nuclear charge

Down the group the atom size increases due to increase in number of electron shells. As a result the nuclear charge decreases.

The size of the atom also increases down the group which makes the nuclear charge weaker

The electron shells also increases which decreases the effective nuclear charge on the incoming electron.

Due to all these factors, the nuclear charge decreases which decreeases the tendency of gaining electrons down the group of halogen making them less reactive.



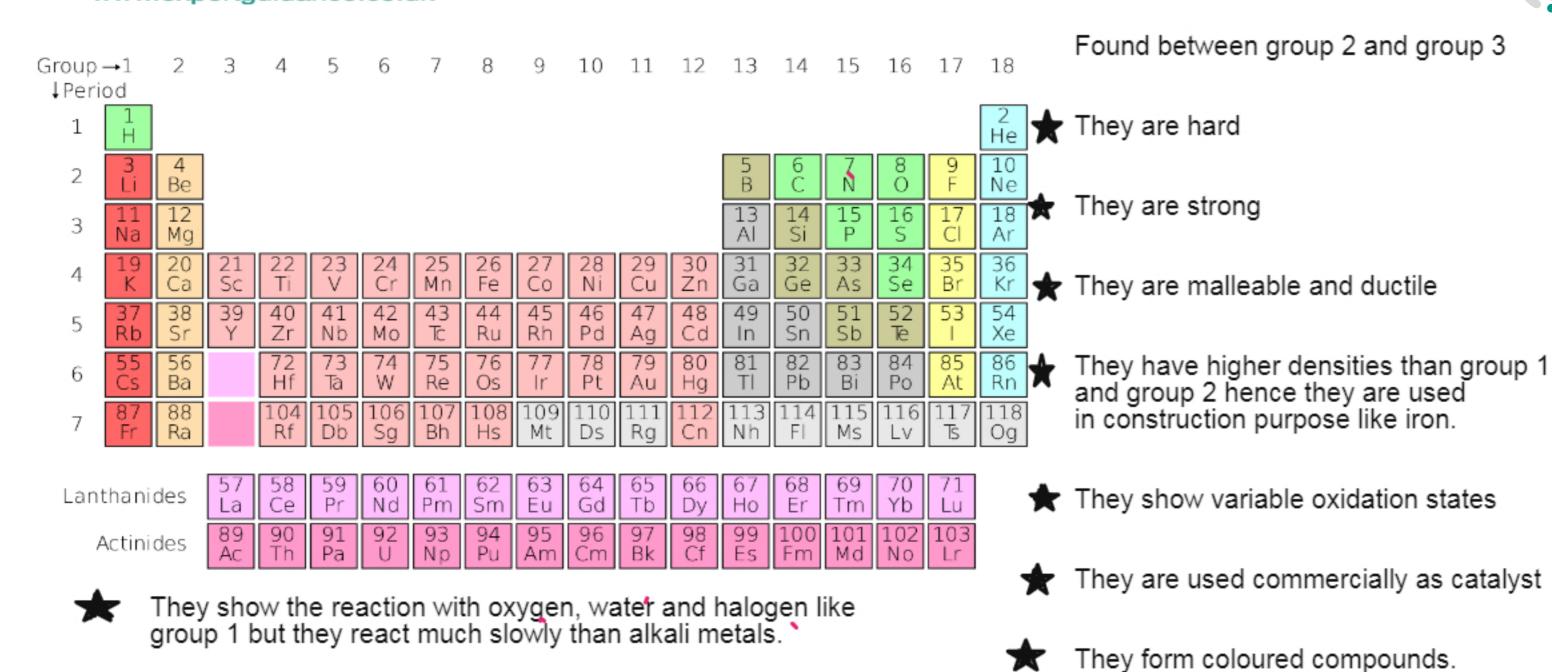




GROUP 1 Alkali Metals	GROUP 7 Halogens	
a) Have one electron in their outermost shells	Have seven electrons in their outermost shell	
b) They are metals	They are non metals	
c) They react by loosing electrons	They react by gaining electrons	
d) They form +1 ions	They form -1 ions	
e) Their reactivitiy increases down the group	Their reactivity decreases down the group	
f) Reactivity depends on tendency to loose an electron	Reactivity depends on tendency to gain an electron	







www.expertguldarice.co.uk

Periodic Table A table that shows arrangement of all the known elements in the order of increasing atomic number. The table is organised into periods and groups.



Metals Elements found to the left of the periodic table which are soft, shinny, conductors malleable and ductile. eg Group 1, group 2 and group 3 elements

Non Metals — Elements found to the right of the periodic table which are dull, insulators. Group 4,5,6 and 7 are non metals.

Alkali — Bases that are soluble in water.

Halogens — Group 7 elements are halogens as they are salt forming.

Displacement Reaction — When a more reactive element displaces the less reactive element from its salt.

Alkali Metals — Group 1 elements which react with water to form alkali

Noble Gases — Group 0 elements which are stable and do not react as they have complete outer shell.

Transition Metals — Elements found between group 2 and group 3 which have high densities, show variable oxidation states and form coloured compounds.

Periods — Horizontal rows of the periodic table.

Groups — Vertical columns of the periodic table

Group Number - Indicates the number of electrons in the outermost shell.



TEST YOURSELF !!!!



www.expertguidance.co.uk

Q1 Look at the periodic table and give two examples of each Metal -

Q2 Write the name of most reactive halogen and most reactive alkali metals

Non Metal

Alkali Metal

Halogens

Noble Gas

Semi metal or metalloid

Metals that form +1 ions

Non metal that form -1 ions

Metal that form +2 ions

Q3 Why the alkali metals gets more reactive down the group

Q4 Why halogens get less reactive down the group

Q5 Write the balanced chemical equation with state symbols of

- a) Potassium with water
- b) Lithium with oxygen
-) Sodium with bromine
- d) Chlorine with hydrogen

Q6 Explain displacement reaction of halogens with examples.

Q1 Look at the periodic table and give two examples of each

Q2 Write the name of most reactive halogen and most reactive alkali metals

Halogun - F

Alkal: Mttal - Fv



Metal — Li, Na

Non Metal — 02, F2

Alkali Metal — K, Li

Halogens ____ F, C

Noble Gas — He, A~

Semi metal or metalloid _____ \$

Metals that form +1 ions — Li, k

Non metal that form -1 ions — f, C

Metal that form +2 ions — Mg, Ca

Transition metal — Fe, Lu

Q3 Why the alkali metals gets more reactive down the group

Down the group the atom size increases due to increase in number of electron shells. This results in the outer electron being further away from the nucleus. As the outer electron becomes further away from the nucleus the nuclear charge decreases. Increase in number of shells also increases the shielding and shields the outer electron from the nuclear charge. Therefore, the tendency of atom to loose an electron increases down the group resulting in increase in reactivity down the group.

Q4 Why halogens get less reactive down the group

Down the group the atom size increases due to increase in number of electron shells. As a result the nuclear charge decreases. The size of the atom also increases down the group which makes the nuclear charge weaker. The electron shells also increases which decreases the effective nuclear charge on the incoming electron.

Due to all these factors, the nuclear charge decreases which decreeases the tendency of gaining electrons down the group of halogen making them less reactive.





Q5 Write the balanced chemical equation with state symbols of

- a) Potassium with water
- b) Lithium with oxygen
- c) Sodium with bromine
- d) Chlorine with hydrogen

2
$$k_{(s)} + 2 H_2 O_{(1)} \longrightarrow 2 k_0 H_{(q)} + H_2 (q)$$

4 $k_{(s)} + 0_2 (q) \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 (q) \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 (q) \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 (q) \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 (q) \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 (q) \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{(s)}$

2 $k_{(s)} + 0_2 O_{(s)} \longrightarrow 2 k_2 O_{$

Q6 Explain displacement reaction of halogens with examples.

When the more reactive halogens displaced the less reactive halogen from its salt.



NEXT STEP !!!





Check the Specification



Do Exam questions on this chapter