

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS  
GCSE (9–1)  
J248 01/02/03/04  
CHEMISTRY A  
(GATEWAY SCIENCE)  
DATA SHEET (INSERT)  
JUNE 2018  
MODIFIED ENLARGED 36pt**

## **INSTRUCTIONS**

**Do not send this Data Sheet for marking;  
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## **INFORMATION**

**The information in this Data Sheet is for  
the use of candidates following GCSE (9–1)  
Chemistry A (J248 01/02/03/04).**



# The Periodic Table of the Elements

(1)	(2)	Key												(3)	(4)	(5)	(6)	(7)	(0)																																																				
1		atomic number Symbol name relative atomic mass												18																																																									
1	H	hydrogen	1.0													2	He	helium	4.0																																																				
3	Li	lithium	6.9	2										7	N	nitrogen	14.0	8	O	oxygen	16.0	9	F	fluorine	19.0	10	Ne	neon	20.2																																										
11	Na	sodium	23.0	12	Mg	magnesium	24.3													13	Al	aluminium	27.0	14	Si	silicon	28.1	15	P	phosphorus	31.0	16	S	sulfur	32.1	17	Cl	chlorine	35.5	18	Ar	argon	39.9																												
19	K	potassium	39.1	20	Ca	calcium	40.1	3		4		5		6		7		8		9		10		11		12																																													
37	Rb	rubidium	85.5	38	Sr	strontium	87.6	39	Y	yttrium	88.9	40	Zr	zirconium	91.2	41	Nb	niobium	92.9	42	Mo	molybdenum	95.9	43	Tc	technetium		44	Ru	ruthenium	101.1	45	Rh	rhodium	102.9	46	Pd	palladium	106.4	47	Ag	silver	107.9	48	Cd	cadmium	112.4	49	In	indium	114.8	50	Sn	tin	118.7	51	Sb	antimony	121.8	52	Te	tellurium	127.6	53	I	iodine	126.9	54	Xe	xenon	131.3
55	Cs	caesium	132.9	56	Ba	barium	137.3	57–71		lanthanoids		72	Hf	hafnium	178.5	73	Ta	tantalum	180.9	74	W	tungsten	183.8	75	Re	rhenium	186.2	76	Os	osmium	190.2	77	Ir	iridium	192.2	78	Pt	platinum	195.1	79	Au	gold	197.0	80	Hg	mercury	200.6	81	Tl	thallium	204.4	82	Pb	lead	207.2	83	Bi	bismuth	209.0	84	Po	polonium		85	At	astatine		86	Rn	radon	
87	Fr	francium		88	Ra	radium		89–103		actinoids		104	Rf	rutherfordium		105	Db	dubnium		106	Sg	seaborgium		107	Bh	bohrium		108	Hs	hassium		109	Mt	meitnerium		110	Ds	darmstadtium		111	Rg	roentgenium		112	Cn	copernicium						114	Fl	flerovium						116	Lv	livermorium									

## ELEMENTS LISTED IN NUMERICAL ORDER:

1	Hydrogen	H	43	Technetium	Tc
2	Helium	He	44	Ruthenium	Ru
3	Lithium	Li	45	Rhodium	Rh
4	Beryllium	Be	46	Palladium	Pd
5	Boron	B	47	Silver	Ag
6	Carbon	C	48	Cadmium	Cd
7	Nitrogen	N	49	Indium	In
8	Oxygen	O	50	Tin	Sn
9	Fluorine	F	51	Antimony	Sb
10	Neon	Ne	52	Tellurium	Te
11	Sodium	Na	53	Iodine	I
12	Magnesium	Mg	54	Xenon	Xe
13	Aluminium	Al	55	Caesium	Cs
14	Silicon	Si	56	Barium	Ba
15	Phosphorus	P	72	Hafnium	Hf
16	Sulfur	S	73	Tantalum	Ta
17	Chlorine	Cl	74	Tungsten	W
18	Argon	Ar	75	Rhenium	Re
19	Potassium	K	76	Osmium	Os
20	Calcium	Ca	77	Iridium	Ir
21	Scandium	Sc	78	Platinum	Pt
22	Titanium	Ti	79	Gold	Au
23	Vanadium	V	80	Mercury	Hg
24	Chromium	Cr	81	Thallium	Tl
25	Manganese	Mn	82	Lead	Pb
26	Iron	Fe	83	Bismuth	Bi
27	Cobalt	Co	84	Polonium	Po
28	Nickel	Ni	85	Astatine	At
29	Copper	Cu	86	Radon	Rn
30	Zinc	Zn	87	Francium	Fr
31	Gallium	Ga	88	Radium	Ra
32	Germanium	Ge	104	Rutherfordium	Rf
33	Arsenic	As	105	Dubnium	Db
34	Selenium	Se	106	Seaborgium	Sg
35	Bromine	Br	107	Bohrium	Bh
36	Krypton	Kr	108	Hassium	Hs
37	Rubidium	Rb	109	Meitnerium	Mt
38	Strontium	Sr	110	Darmstadtium	Ds
39	Yttrium	Y	111	Roentgenium	Rg
40	Zirconium	Zr	112	Copernicium	Cn
41	Niobium	Nb	114	Flerovium	Fl
42	Molybdenum	Mo	116	Livermorium	Lv

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