

**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

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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) (3) (4) (5) (6) (7) (0)

Key	
atomic number	
Symbol <small>name</small>	
relative atomic mass	

1		2		3										4										5										6										7										8										9										10										11										12										13										14										15										16										17										18	
1	H hydrogen 1.0	3	Li lithium 6.9	4	Be beryllium 9.0	11	Na sodium 23.0	12	Mg magnesium 24.3	19	K potassium 39.1	20	Ca calcium 40.1	37	Rb rubidium 85.5	38	Sr strontium 87.6	55	Cs caesium 132.9	87	Fr francium	21	Sc scandium 45.0	39	Y yttrium 88.9	56	Ba barium 137.3	88	Ra radium	22	Ti titanium 47.9	40	Zr zirconium 91.2	72	Hf hafnium 178.5	104	Rf rutherfordium	23	V vanadium 50.9	41	Nb niobium 92.9	73	Ta tantalum 180.9	105	Db dubnium	24	Cr chromium 52.0	42	Mo molybdenum 95.9	74	W tungsten 183.8	106	Sg seaborgium	25	Mn manganese 54.9	43	Tc technetium	75	Re rhenium 186.2	107	Bh bohrium	26	Fe iron 55.8	44	Ru ruthenium 101.1	76	Os osmium 190.2	108	Hs hassium	27	Co cobalt 58.9	45	Rh rhodium 102.9	77	Ir iridium 192.2	109	Mt meitnerium	28	Ni nickel 58.7	46	Pd palladium 106.4	78	Pt platinum 195.1	110	Ds darmstadtium	29	Cu copper 63.5	47	Ag silver 107.9	79	Au gold 197.0	111	Rg roentgenium	30	Zn zinc 65.4	48	Cd cadmium 112.4	80	Hg mercury 200.6	112	Cn copernicium	31	Ga gallium 69.7	49	In indium 114.8	81	Tl thallium 204.4	113	Fl flerovium	32	Ge germanium 72.6	50	Sn tin 118.7	82	Pb lead 207.2	114	Fl flerovium	33	As arsenic 74.9	51	Sb antimony 121.8	83	Bi bismuth 209.0	115		34	Se selenium 79.0	52	Te tellurium 127.6	84	Po polonium	116	Lv livermorium	35	Br bromine 79.9	53	I iodine 126.9	85	At astatine	36	Kr krypton 83.8	54	Xe xenon 131.3	86	Rn radon	37	Ar argon 39.9	55		87					

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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