

Modified Enlarged 24pt
OXFORD CAMBRIDGE AND RSA EXAMINATIONS

June 2025

GCSE (9–1) Chemistry B
(Twenty First Century Science)

J258 01/02/03/04

Data Sheet

INSTRUCTIONS

Do NOT send this Data Sheet for marking.
Keep it in the centre or recycle it.



The Periodic Table of the Elements

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(0)

1			2										3										4										5										6										7										8										9										10										11										12										13										14										15										16										17										18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
atomic number			atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number										atomic number									

ELEMENTS LISTED IN ATOMIC NUMBER ORDER:

ATOMIC NUMBER	NAME	SYMBOL	RELATIVE ATOMIC MASS
1	Hydrogen	H	1.0
2	Helium	He	4.0
3	Lithium	Li	6.9
4	Beryllium	Be	9.0
5	Boron	B	10.8
6	Carbon	C	12.0
7	Nitrogen	N	14.0
8	Oxygen	O	16.0
9	Fluorine	F	19.0
10	Neon	Ne	20.2
11	Sodium	Na	23.0
12	Magnesium	Mg	24.3
13	Aluminium	Al	27.0
14	Silicon	Si	28.1
15	Phosphorus	P	31.0
16	Sulfur	S	32.1
17	Chlorine	Cl	35.5
18	Argon	Ar	39.9
19	Potassium	K	39.1
20	Calcium	Ca	40.1
21	Scandium	Sc	45.0
22	Titanium	Ti	47.9
23	Vanadium	V	50.9
24	Chromium	Cr	52.0
25	Manganese	Mn	54.9
26	Iron	Fe	55.8
27	Cobalt	Co	58.9
28	Nickel	Ni	58.7
29	Copper	Cu	63.5
30	Zinc	Zn	65.4
31	Gallium	Ga	69.7
32	Germanium	Ge	72.6
33	Arsenic	As	74.9
34	Selenium	Se	79.0
35	Bromine	Br	79.9
36	Krypton	Kr	83.8
37	Rubidium	Rb	85.5
38	Strontium	Sr	87.6
39	Yttrium	Y	88.9
40	Zirconium	Zr	91.2
41	Niobium	Nb	92.9

ATOMIC NUMBER	NAME	SYMBOL	RELATIVE ATOMIC MASS
42	Molybdenum	Mo	95.9
43	Technetium	Tc	
44	Ruthenium	Ru	101.1
45	Rhodium	Rh	102.9
46	Palladium	Pd	106.4
47	Silver	Ag	107.9
48	Cadmium	Cd	112.4
49	Indium	In	114.8
50	Tin	Sn	118.7
51	Antimony	Sb	121.8
52	Tellurium	Te	127.6
53	Iodine	I	126.9
54	Xenon	Xe	131.3
55	Caesium	Cs	132.9
56	Barium	Ba	137.3
72	Hafnium	Hf	178.5
73	Tantalum	Ta	180.9
74	Tungsten	W	183.8
75	Rhenium	Re	186.2
76	Osmium	Os	190.2
77	Iridium	Ir	192.2
78	Platinum	Pt	195.1
79	Gold	Au	197.0
80	Mercury	Hg	200.6
81	Thallium	Tl	204.4
82	Lead	Pb	207.2
83	Bismuth	Bi	209.0
84	Polonium	Po	
85	Astatine	At	
86	Radon	Rn	
87	Francium	Fr	
88	Radium	Ra	
104	Rutherfordium	Rf	
105	Dubnium	Db	
106	Seaborgium	Sg	
107	Bohrium	Bh	
108	Hassium	Hs	
109	Meitnerium	Mt	
110	Darmstadtium	Ds	
111	Roentgenium	Rg	
112	Copernicium	Cn	
114	Flerovium	Fl	
116	Livermorium	Lv	

BLANK PAGE

Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

OCR is part of Cambridge University Press & Assessment, which is itself a department of the University of Cambridge.