

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GCSE (9–1)
J248 01/02/03/04
CHEMISTRY A
(GATEWAY SCIENCE)
DATA SHEET (INSERT)
JUNE 2018
MODIFIED ENLARGED 24pt**

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INFORMATION

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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	name
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	11	Na sodium 23.0	19	K potassium 39.1	37	Rb rubidium 85.5	55	Cs caesium 132.9	87	Fr francium	21	Sc scandium 45.0	29	Cu copper 63.5	47	Ag silver 107.9	79	Au gold 197.0	111	Rg roentgenium	31	Ga gallium 69.7	49	In indium 114.8	81	Tl thallium 204.4	133	Bh bohrium	51	Sb antimony 121.8	83	Bi bismuth 209.0	153	Uut ununtrium	101	Uuq ununquadium	109	Uuh ununhexium	163	Uuq ununquadium	111	Rg roentgenium	173	Uuh ununhexium	133	Bh bohrium	201	Uue ununsextium	169	Uue ununsextium	117	Uue ununsextium	183	Uue ununsextium	135	Bh bohrium	203	Uue ununsextium	175	Uue ununsextium	119	Rg roentgenium	185	Uue ununsextium	137	Bh bohrium	205	Uue ununsextium	177	Uue ununsextium	121	Rg roentgenium	189	Uue ununsextium	141	Bh bohrium	209	Uue ununsextium	181	Uue ununsextium	143	Bh bohrium	211	Uue ununsextium	183	Uue ununsextium	145	Bh bohrium	213	Uue ununsextium	185	Uue ununsextium	147	Bh bohrium	215	Uue ununsextium	187	Uue ununsextium	149	Bh bohrium	217	Uue ununsextium	189	Uue ununsextium	151	Bh bohrium	219	Uue ununsextium	191	Uue ununsextium	153	Bh bohrium	221	Uue ununsextium	193	Uue ununsextium	155	Bh bohrium	223	Uue ununsextium	195	Uue ununsextium	157	Bh bohrium	225	Uue ununsextium	197	Uue ununsextium	159	Bh bohrium	227	Uue ununsextium	199	Uue ununsextium	161	Bh bohrium	229	Uue ununsextium	201	Uue ununsextium	163	Bh bohrium	231	Uue ununsextium	203	Uue ununsextium	165	Bh bohrium	233	Uue ununsextium	205	Uue ununsextium	167	Bh bohrium	235	Uue ununsextium	207	Uue ununsextium	169	Bh bohrium	237	Uue ununsextium	209	Uue ununsextium	171	Bh bohrium	239	Uue ununsextium	211	Uue ununsextium	173	Bh bohrium	241	Uue ununsextium	213	Uue ununsextium	175	Bh bohrium	243	Uue ununsextium	215	Uue ununsextium	177	Bh bohrium	245	Uue ununsextium	217	Uue ununsextium	179	Bh bohrium	247	Uue ununsextium	219	Uue ununsextium	181	Bh bohrium	249	Uue ununsextium	221	Uue ununsextium	183	Bh bohrium	251	Uue ununsextium	223	Uue ununsextium	185	Bh bohrium	253	Uue ununsextium	225	Uue ununsextium	187	Bh bohrium	255	Uue ununsextium	227	Uue ununsextium	189	Bh bohrium	257	Uue ununsextium	229	Uue ununsextium	191	Bh bohrium	259	Uue ununsextium	231	Uue ununsextium	193	Bh bohrium	261	Uue ununsextium	233	Uue ununsextium	195	Bh bohrium	263	Uue ununsextium	235	Uue ununsextium	197	Bh bohrium	265	Uue ununsextium	237	Uue ununsextium	199	Bh bohrium	267	Uue ununsextium	239	Uue ununsextium	201	Bh bohrium	269	Uue ununsextium	241	Uue ununsextium	203	Bh bohrium	271	Uue ununsextium	243	Uue ununsextium	205	Bh bohrium	273	Uue ununsextium	245	Uue ununsextium	207	Bh bohrium	275	Uue ununsextium	247	Uue ununsextium	209	Bh bohrium	277	Uue ununsextium	249	Uue ununsextium	211	Bh bohrium	279	Uue ununsextium	251	Uue ununsextium	213	Bh bohrium	281	Uue ununsextium	253	Uue ununsextium	215	Bh bohrium	283	Uue ununsextium	255	Uue ununsextium	217	Bh bohrium	285	Uue ununsextium	257	Uue ununsextium	219	Bh bohrium	287	Uue ununsextium	259	Uue ununsextium	221	Bh bohrium	289	Uue ununsextium	261	Uue ununsextium	223	Bh bohrium	291	Uue ununsextium	263	Uue ununsextium	225	Bh bohrium	293	Uue ununsextium	265	Uue ununsextium	227	Bh bohrium	295	Uue ununsextium	267	Uue ununsextium	229	Bh bohrium	297	Uue ununsextium	269	Uue ununsextium	231	Bh bohrium	299	Uue ununsextium	271	Uue ununsextium	233	Bh bohrium	301	Uue ununsextium	273	Uue ununsextium	235	Bh bohrium	303	Uue ununsextium	275	Uue ununsextium	237	Bh bohrium	305	Uue ununsextium	277	Uue ununsextium	239	Bh bohrium	307	Uue ununsextium	279	Uue ununsextium	241	Bh bohrium	309	Uue ununsextium	281	Uue ununsextium	243	Bh bohrium	311	Uue ununsextium	283	Uue ununsextium	245	Bh bohrium	313	Uue ununsextium	285	Uue ununsextium	247	Bh bohrium	315	Uue ununsextium	287	Uue ununsextium	249	Bh bohrium	317	Uue ununsextium	289	Uue ununsextium	251	Bh bohrium	319	Uue ununsextium	291	Uue ununsextium	253	Bh bohrium	321	Uue ununsextium	293	Uue ununsextium	255	Bh bohrium	323	Uue ununsextium	295	Uue ununsextium	257	Bh bohrium	325	Uue ununsextium	297	Uue ununsextium	259	Bh bohrium	327	Uue ununsextium	299	Uue ununsextium	261	Bh bohrium	329	Uue ununsextium	301	Uue ununsextium	263	Bh bohrium	331	Uue ununsextium	303	Uue ununsextium	265	Bh bohrium	333	Uue ununsextium	305	Uue ununsextium	267	Bh bohrium	335	Uue ununsextium	307	Uue ununsextium	269	Bh bohrium	337	Uue ununsextium	309	Uue ununsextium	271	Bh bohrium	339	Uue ununsextium	311	Uue ununsextium	273	Bh bohrium	341	Uue ununsextium	313	Uue ununsextium	275	Bh bohrium	343	Uue ununsextium	315	Uue ununsextium	277	Bh bohrium	345	Uue ununsextium	317	Uue ununsextium	279	Bh bohrium	347	Uue ununsextium	319	Uue ununsextium	281	Bh bohrium	349	Uue ununsextium	321	Uue ununsextium	283	Bh bohrium	351	Uue ununsextium	323	Uue ununsextium	285	Bh bohrium	353	Uue ununsextium	325	Uue ununsextium	287	Bh bohrium	355	Uue ununsextium	327	Uue ununsextium	289	Bh bohrium	357	Uue ununsextium	329	Uue ununsextium	291	Bh bohrium	359	Uue ununsextium	331	Uue ununsextium	293	Bh bohrium	361	Uue ununsextium	333	Uue 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ununsextium	331	Bh bohrium	399	Uue ununsextium	371	Uue ununsextium	333	Bh bohrium	401	Uue ununsextium	373	Uue ununsextium	335	Bh bohrium	403	Uue ununsextium	375	Uue ununsextium	337	Bh bohrium	405	Uue ununsextium	377	Uue ununsextium	339	Bh bohrium	407	Uue ununsextium	379	Uue ununsextium	341	Bh bohrium	409	Uue ununsextium	381	Uue ununsextium	343	Bh bohrium	411	Uue ununsextium	383	Uue ununsextium	345	Bh bohrium	413	Uue ununsextium	385	Uue ununsextium	347	Bh bohrium	415	Uue ununsextium	387	Uue ununsextium	349	Bh bohrium	417	Uue ununsextium	389	Uue ununsextium	351	Bh bohrium	419	Uue ununsextium	391	Uue ununsextium	353	Bh bohrium	421	Uue ununsextium	393	Uue ununsextium	355	Bh bohrium	423	Uue ununsextium	395	Uue ununsextium	357	Bh bohrium	425	Uue ununsextium	397	Uue ununsextium	359	Bh bohrium	427	Uue ununsextium	399	Uue ununsextium	361	Bh bohrium	429	Uue ununsextium	401	Uue ununsextium	363	Bh bohrium	431	Uue ununsextium	403	Uue ununsextium	365	Bh bohrium	433	Uue ununsextium	405	Uue ununsextium	367	Bh bohrium	435	Uue ununsextium	407	Uue ununsextium	369	Bh bohrium	437	Uue ununsextium	409	Uue ununsextium	371	Bh bohrium	439	Uue ununsextium	411	Uue ununsextium	373	Bh bohrium	441	Uue ununsextium	413	Uue ununsextium	375	Bh bohrium	443	Uue ununsextium	415	Uue ununsextium	377	Bh bohrium	445	Uue ununsextium	417	Uue ununsextium	379	Bh bohrium	447	Uue ununsextium	419	Uue ununsextium	381	Bh bohrium	449	Uue ununsextium	421	Uue ununsextium	383	Bh bohrium	451	Uue ununsextium	423	Uue ununsextium	385	Bh bohrium	453	Uue ununsextium	425	Uue ununsextium	387	Bh bohrium	455	Uue ununsextium	427	Uue ununsextium	389	Bh bohrium	457	Uue ununsextium	429	Uue ununsextium	391	Bh bohrium	459	Uue ununsextium	431	Uue ununsextium	393	Bh bohrium	461	Uue ununsextium	433	Uue ununsextium	395	Bh bohrium	463	Uue ununsextium	435	Uue ununsextium	397	Bh bohrium	465	Uue ununsextium	437	Uue ununsextium	399	Bh bohrium	467	Uue ununsextium	439	Uue ununsextium	401	Bh bohrium	469	Uue ununsextium	441	Uue ununsextium	403	Bh bohrium	471	Uue ununsextium	443	Uue ununsextium	405	Bh bohrium	473	Uue ununsextium	445	Uue ununsextium	407	Bh

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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