



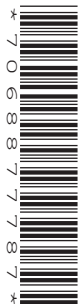
Oxford Cambridge and RSA

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

J258 01/02/03/04

Data Sheet (Insert)

June 2018



INSTRUCTIONS

- Do not send this Data Sheet for marking; it should be retained in the centre or destroyed.

INFORMATION

- The information in this Data Sheet is for the use of candidates following GCSE (9–1) Chemistry B (Twenty First Century Science) (J258 01/02/03/04).
- This document consists of **2** pages.

The Periodic Table of the Elements

(1) (2) (3) (4) (5) (6) (7) (0)

Key
atomic number
Symbol
name
relative atomic mass

atomic number Symbol name		relative atomic mass															
1 H hydrogen 1.0																	
2																	
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	21 Sc scandium 45.0	22 Ti titanium 47.9	23 V vanadium 50.9	24 Cr chromium 52.0	25 Mn manganese 54.9	26 Fe iron 55.8	27 Co cobalt 58.9	28 Ni nickel 58.7	29 Cu copper 63.5	30 Zn zinc 65.4						
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															
87 Fr francium	88 Ra radium	89–103 actinoids															

13					14					15					16					17					18																																																																								
5 B boron 10.8	6 C carbon 12.0	7 N nitrogen 14.0	8 O oxygen 16.0	9 F fluorine 19.0	10 Ne neon 20.2	11 Al aluminium 27.0	12 Si silicon 28.1	13 P phosphorus 31.0	14 S sulfur 32.1	15 Cl chlorine 35.5	16 Ar argon 39.9	17 K potassium 39.1	18 Ca calcium 40.1	19 Sc scandium 45.0	20 Ti titanium 47.9	21 V vanadium 50.9	22 Cr chromium 52.0	23 Mn manganese 54.9	24 Fe iron 55.8	25 Co cobalt 58.9	26 Ni nickel 58.7	27 Cu copper 63.5	28 Zn zinc 65.4	29 Ga gallium 69.7	30 Ge germanium 72.6	31 As arsenic 74.9	32 Se selenium 79.0	33 Br bromine 79.9	34 Kr krypton 83.8	35 Rb rubidium 85.5	36 Sr strontium 87.6	37 Y yttrium 88.9	38 Zr zirconium 91.2	39 Nb niobium 92.9	40 Mo molybdenum 95.9	41 Tc technetium	42 Ru ruthenium 101.1	43 Rh rhodium 102.9	44 Pd palladium 106.4	45 Ag silver 107.9	46 Cd cadmium 112.4	47 In indium 114.8	48 Sn tin 118.7	49 Sb antimony 121.8	50 Te tellurium 127.6	51 I iodine 126.9	52 Xe xenon 131.3	53 Cs caesium 132.9	54 Ba barium 137.3	55 La lanthanum 138.9	56 Ce cerium 140.1	57 Pr praseodymium 140.9	58 Nd neodymium 144.2	59 Pm promethium 144.9	60 Sm samarium 150.4	61 Eu europium 151.9	62 Gd gadolinium 157.3	63 Tb terbium 158.9	64 Dy dysprosium 162.5	65 Ho holmium 164.9	66 Er erbium 167.3	67 Tm thulium 168.9	68 Yb ytterbium 173.1	69 Lu lutetium 175.0	70 Hf hafnium 178.5	71 Ta tantalum 180.9	72 W tungsten 183.8	73 Re rhenium 186.2	74 Os osmium 190.2	75 Ir iridium 192.2	76 Pt platinum 195.1	77 Au gold 197.0	78 Hg mercury 200.6	79 Tl thallium 204.4	80 Pb lead 207.2	81 Bi bismuth 209.0	82 Po polonium 209	83 At astatine 210	84 Rn radon 222	85 Fr francium 223	86 Ra radium 226	87 Ac actinium 227	88 Th thorium 232	89 Pa protactinium 231	90 U uranium 238	91 Np neptunium 237	92 Pu plutonium 244	93 Am americium 243	94 Cm curium 247	95 Bk berkelium 247	96 Cf californium 251	97 Es einsteinium 252	98 Fm fermium 257	99 Md mendelevium 258	100 No nobelium 259	101 Lr lawrencium 262	102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 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877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000