

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS  
GCSE (9–1)**

**J260 02/06**

**COMBINED SCIENCE B  
(Twenty First Century Science)  
Chemistry**

**DATA SHEET (INSERT)**

**JUNE 2018**

**MODIFIED ENLARGED**

**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) Combined Science B (Chemistry) (J260 02/06).**



The Periodic Table of the Elements

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

| 1                    |                        | 2                       |                         |                       |                          |                         |                          |                        |                          |                       |                        | 18                      |                         |                         |                          |                        |                       |
|----------------------|------------------------|-------------------------|-------------------------|-----------------------|--------------------------|-------------------------|--------------------------|------------------------|--------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|------------------------|-----------------------|
| Key                  |                        |                         |                         |                       |                          |                         |                          |                        |                          |                       |                        |                         |                         |                         |                          |                        |                       |
| atomic number        |                        | Symbol                  |                         |                       |                          |                         |                          |                        |                          |                       |                        |                         |                         |                         |                          |                        |                       |
| name                 |                        |                         |                         |                       |                          |                         |                          |                        |                          |                       |                        |                         |                         |                         |                          |                        |                       |
| relative atomic mass |                        |                         |                         |                       |                          |                         |                          |                        |                          |                       |                        |                         |                         |                         |                          |                        |                       |
|                      |                        | 3                       | 4                       | 5                     | 6                        | 7                       | 8                        | 9                      | 10                       | 11                    | 12                     | 13                      | 14                      | 15                      | 16                       | 17                     | 18                    |
| 1                    | H<br>hydrogen<br>1.0   | 21                      | 22                      | 23                    | 24                       | 25                      | 26                       | 27                     | 28                       | 29                    | 30                     | 5                       | 6                       | 7                       | 8                        | 9                      | 2                     |
| 3                    | Li<br>lithium<br>6.9   | Sc<br>scandium<br>45.0  | Ti<br>titanium<br>47.9  | V<br>vanadium<br>50.9 | Cr<br>chromium<br>52.0   | Mn<br>manganese<br>54.9 | Fe<br>iron<br>55.8       | Co<br>cobalt<br>58.9   | Ni<br>nickel<br>58.7     | Cu<br>copper<br>63.5  | Zn<br>zinc<br>65.4     | B<br>boron<br>10.8      | C<br>carbon<br>12.0     | N<br>nitrogen<br>14.0   | O<br>oxygen<br>16.0      | F<br>fluorine<br>19.0  | He<br>helium<br>4.0   |
| 11                   | Na<br>sodium<br>23.0   | Y<br>yttrium<br>88.9    | Zr<br>zirconium<br>91.2 | Nb<br>niobium<br>92.9 | Mo<br>molybdenum<br>95.9 | Tc<br>technetium        | Ru<br>ruthenium<br>101.1 | Rh<br>rhodium<br>102.9 | Pd<br>palladium<br>106.4 | Ag<br>silver<br>107.9 | Cd<br>cadmium<br>112.4 | Al<br>aluminium<br>27.0 | Si<br>silicon<br>28.1   | P<br>phosphorus<br>31.0 | S<br>sulfur<br>32.1      | Cl<br>chlorine<br>35.5 | Ar<br>argon<br>39.9   |
| 19                   | K<br>potassium<br>39.1 | Ca<br>calcium<br>40.1   |                         |                       |                          |                         |                          |                        |                          |                       |                        | Ga<br>gallium<br>69.7   | Ge<br>germanium<br>72.6 | As<br>arsenic<br>74.9   | Se<br>selenium<br>79.0   | Br<br>bromine<br>79.9  | Kr<br>krypton<br>83.8 |
| 37                   | Rb<br>rubidium<br>85.5 | Sr<br>strontium<br>87.6 |                         |                       |                          |                         |                          |                        |                          |                       |                        | In<br>indium<br>114.8   | Sn<br>tin<br>118.7      | Sb<br>antimony<br>121.8 | Te<br>tellurium<br>127.6 | I<br>iodine<br>126.9   | Xe<br>xenon<br>131.3  |
| 55                   | Cs<br>caesium<br>132.9 | Ba<br>barium<br>137.3   | 57–71<br>lanthanoids    |                       |                          |                         |                          |                        |                          |                       |                        | Tl<br>thallium<br>204.4 | Pb<br>lead<br>207.2     | Bi<br>bismuth<br>209.0  | Po<br>polonium           | At<br>astatine         | Rn<br>radon           |
| 87                   | Fr<br>francium         | Ra<br>radium            | 89–103<br>actinoids     |                       |                          |                         |                          |                        |                          |                       |                        |                         |                         |                         | 116<br>Lv<br>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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