

L2-CHEMR



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA



National Certificate of Educational Achievement
TAUMATA MĀTAURANGA Ā-MOTU KUA TAEA

Level 2 Chemistry, 2005

2.00 pm Wednesday 23 November 2005

RESOURCE SHEET
for 90308, 90310, 90311

Refer to this sheet to answer the questions in your Question and Answer Booklets.

Check that this is printed on the back.

YOU MAY KEEP THIS SHEET AT THE END OF THE EXAMINATION.

Periodic table of the elements

18

| | | Atomic Number | | | | | | | | | | Atomic Mass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Li 6.9 | 4 Be 9.0 | 11 Na 23.0 | 12 Mg 24.3 | 19 K 39.1 | 20 Ca 40.1 | 21 Sc 45.0 | 22 Ti 47.9 | 23 V 50.9 | 24 Cr 52.0 | 25 Mn 54.9 | 26 Fe 55.9 | 27 Co 58.9 | 28 Ni 58.7 | 29 Cu 63.6 | 30 Zn 65.4 | 31 Ga 69.7 | 32 Ge 72.6 | 33 As 74.9 | 34 Se 78.9 | 35 Br 79.9 | 36 Kr 83.8 | 37 Rb 85.5 | 38 Sr 87.6 | 39 Y 88.9 | 40 Zr 91.2 | 41 Nb 92.9 | 42 Mo 95.9 | 43 Tc (98) | 44 Ru 101 | 45 Rh 103 | 46 Pd 106 | 47 Ag 108 | 48 Cd 112 | 49 In 115 | 50 Sn 119 | 51 Sb 122 | 52 Te 128 | 53 I 127 | 54 Xe 131 | 55 Cs 133 | 56 Ba 137 | 71 Lu 175 | 72 Hf 179 | 73 Ta 181 | 74 W 184 | 75 Re 186 | 76 Os 190 | 77 Ir 192 | 78 Pt 195 | 79 Au 197 | 80 Hg 201 | 81 Tl 204 | 82 Pb 207 | 83 Bi 209 | 84 Po 210 | 85 At 210 | 86 Rn 222 | 87 Fr 223 | 88 Ra 226 | 103 Lr 262 | 104 Rf 261 | 105 Db 262 | 106 Sg 263 | 107 Bh 262 | 108 Hs 265 | 109 Mt 266 | 110 Ds 271 | 111 Rg 272 | 112 Cn 285 | 113 Nh 284 | 114 Fl 289 | 115 Mc 288 | 116 Lv 293 | 117 Ts 294 | 118 Og 294 |
| 57 La 139 | 58 Ce 140 | 59 Pr 141 | 60 Nd 144 | 61 Pm 147 | 62 Sm 150 | 63 Eu 152 | 64 Gd 157 | 65 Tb 159 | 66 Dy 163 | 67 Ho 165 | 68 Er 167 | 69 Tm 169 | 70 Yb 173 | 71 Lu 175 | 89 Ac 227 | 90 Th 232 | 91 Pa 231 | 92 U 238 | 93 Np 237 | 94 Pu 239 | 95 Am 241 | 96 Cm 247 | 97 Bk 249 | 98 Cf 251 | 99 Es 254 | 100 Fm 257 | 101 Md 258 | 102 No 259 | 103 Lr 262 | 104 Rf 261 | 105 Db 262 | 106 Sg 263 | 107 Bh 262 | 108 Hs 265 | 109 Mt 266 | 110 Ds 271 | 111 Rg 272 | 112 Cn 285 | 113 Nh 284 | 114 Fl 289 | 115 Mc 288 | 116 Lv 293 | 117 Ts 294 | 118 Og 294 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |