

L2-CHEMR



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

## Level 2 Chemistry, 2013

9.30 am Tuesday 19 November 2013

### RESOURCE SHEET for 91164, 91165, 91166

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

Check that this sheet is printed on the back.

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

# L2-CHEMR

## PERIODIC TABLE OF THE ELEMENTS

18

Atomic number		Molar mass/g mol <sup>-1</sup>																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
1 <b>H</b> 1.0	2 <b>He</b> 4.0																		
3 <b>Li</b> 6.9	4 <b>Be</b> 9.0											5 <b>B</b> 10.8	6 <b>C</b> 12.0	7 <b>N</b> 14.0	8 <b>O</b> 16.0	9 <b>F</b> 19.0	10 <b>Ne</b> 20.2		
11 <b>Na</b> 23.0	12 <b>Mg</b> 24.3											13 <b>Al</b> 27.0	14 <b>Si</b> 28.1	15 <b>P</b> 31.0	16 <b>S</b> 32.1	17 <b>Cl</b> 35.5	18 <b>Ar</b> 40.0		
19 <b>K</b> 39.1	20 <b>Ca</b> 40.1	21 <b>Sc</b> 45.0	22 <b>Ti</b> 47.9	23 <b>V</b> 50.9	24 <b>Cr</b> 52.0	25 <b>Mn</b> 54.9	26 <b>Fe</b> 55.9	27 <b>Co</b> 58.9	28 <b>Ni</b> 58.7	29 <b>Cu</b> 63.5	30 <b>Zn</b> 65.4	31 <b>Ga</b> 69.7	32 <b>Ge</b> 72.6	33 <b>As</b> 74.9	34 <b>Se</b> 79.0	35 <b>Br</b> 79.9	36 <b>Kr</b> 83.8		
37 <b>Rb</b> 85.5	38 <b>Sr</b> 87.6	39 <b>Y</b> 88.9	40 <b>Zr</b> 91.2	41 <b>Nb</b> 92.9	42 <b>Mo</b> 95.9	43 <b>Tc</b> 98.9	44 <b>Ru</b> 101	45 <b>Rh</b> 103	46 <b>Pd</b> 106	47 <b>Ag</b> 108	48 <b>Cd</b> 112	49 <b>In</b> 115	50 <b>Sn</b> 119	51 <b>Sb</b> 122	52 <b>Te</b> 128	53 <b>I</b> 127	54 <b>Xe</b> 131		
55 <b>Cs</b> 133	56 <b>Ba</b> 137	71 <b>Lu</b> 175	72 <b>Hf</b> 179	73 <b>Ta</b> 181	74 <b>W</b> 184	75 <b>Re</b> 186	76 <b>Os</b> 190	77 <b>Ir</b> 192	78 <b>Pt</b> 195	79 <b>Au</b> 197	80 <b>Hg</b> 201	81 <b>Tl</b> 204	82 <b>Pb</b> 207	83 <b>Bi</b> 209	84 <b>Po</b> 210	85 <b>At</b> 210	86 <b>Rn</b> 222		
87 <b>Fr</b> 223	88 <b>Ra</b> 226	103 <b>Lr</b> 262	104 <b>Rf</b> 261	105 <b>Db</b> 262	106 <b>Sg</b> 263	107 <b>Bh</b> 264	108 <b>Hs</b> 265	109 <b>Mt</b> 268	110 <b>Ds</b> 271	111 <b>Rg</b> 272	112 <b>Cn</b> 277		114 <b>Fl</b> 289						
													114		116 <b>Lv</b> 292				

Lanthanide Series	57 <b>La</b> 139	58 <b>Ce</b> 140	59 <b>Pr</b> 141	60 <b>Nd</b> 144	61 <b>Pm</b> 147	62 <b>Sm</b> 150	63 <b>Eu</b> 152	64 <b>Gd</b> 157	65 <b>Tb</b> 159	66 <b>Dy</b> 163	67 <b>Ho</b> 165	68 <b>Er</b> 167	69 <b>Tm</b> 169	70 <b>Yb</b> 173
Actinide Series	89 <b>Ac</b> 227	90 <b>Th</b> 232	91 <b>Pa</b> 231	92 <b>U</b> 238	93 <b>Np</b> 237	94 <b>Pu</b> 239	95 <b>Am</b> 241	96 <b>Cm</b> 244	97 <b>Bk</b> 249	98 <b>Cf</b> 251	99 <b>Es</b> 252	100 <b>Fm</b> 257	101 <b>Md</b> 258	102 <b>No</b> 259