

L3-CHEMR



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

Level 3 Chemistry, 2014

2.00 pm Tuesday 11 November 2014

RESOURCE SHEET for 91390, 91391, 91392

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.

PERIODIC TABLE OF THE ELEMENTS

18

Atomic number		Relative atomic mass																	
1		2																	
H 1.0		He 4.0																	
3		10																	
Li 6.9		Be 9.0																	
11		18																	
Na 23.0		Mg 24.3																	
19		36																	
K 39.1		Ca 40.1																	
37		54																	
Rb 85.5		Sr 87.6																	
55		86																	
Cs 133		Ba 137																	
87		222																	
Fr 223		Ra 226																	
13		204																	
B 10.8		C 12.0																	
5		116																	
Al 27.0		Si 28.1																	
13		32																	
Ga 69.7		Ge 72.6																	
31		50																	
In 115		Sn 119																	
49		82																	
Tl 204		Pb 207																	
81		114																	
Bi 209		Po 210																	
83		289																	
At 210		Fl 289																	
85		277																	
Po 210		At 210																	
86		271																	
Rn 222		Ds 271																	
88		268																	
Ra 226		Mt 268																	
223		265																	
Fr 223		Hs 265																	
87		262																	
Ra 226		Bh 264																	
223		262																	
Fr 223		Db 262																	
87		263																	
Ra 226		Sg 263																	
223		261																	
Fr 223		Rf 261																	
87		272																	
Ra 226		Bk 249																	
223		272																	
Fr 223		Cf 251																	
87		277																	
Ra 226		Es 252																	
223		277																	
Fr 223		Fm 257																	
87		277																	
Ra 226		Md 258																	
223		277																	
Fr 223		No 259																	
87		277																	
Ra 226		Lr 262																	
223		277																	
Fr 223		277																	

Lanthanide Series	57	L 139	58	C 140	59	P 141	60	N 144	61	P 147	62	S 150	63	E 152	64	G 157	65	T 159	66	D 163	67	H 165	68	E 167	69	T 169	70	Y 173
	89	A 227	90	T 232	91	P 231	92	U 238	93	N 237	94	P 239	95	A 241	96	C 244	97	B 249	98	C 251	99	E 252	100	F 257	101	M 258	102	N 259