

L3-CHEMR



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

Level 3 Chemistry, 2015

2.00 p.m. Wednesday 11 November 2015

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.

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PERIODIC TABLE OF THE ELEMENTS

18

Atomic number		Relative atomic mass																																																																					
1		2																																																																					
H 1.0		He 4.0																																																																					
3		4																5		6		7		8		9		10		11		12		13		14		15		16		17		18																											
Li 6.9		Be 9.0		B 10.8		C 12.0		N 14.0		O 16.0		F 19.0		Ne 20.2		Na 23.0		Mg 24.3		Al 27.0		Si 28.1		P 31.0		S 32.1		Cl 35.5		Ar 40.0		K 39.1		Ca 40.1		Sc 45.0		Ti 47.9		V 50.9		Cr 52.0		Mn 54.9		Fe 55.9		Co 58.9		Ni 58.7		Cu 63.5		Zn 65.4		Ga 69.7		Ge 72.6		As 74.9		Se 79.0		Br 79.9		Kr 83.8					
11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36																					
Rb 85.5		Sr 87.6		Y 88.9		Zr 91.2		Nb 92.9		Mo 95.9		Tc 98.9		Ru 101		Rh 103		Pd 106		Ag 108		Cd 112		In 115		Sn 119		Sb 122		Te 128		I 127		Xe 131		Cs 133		Ba 137		Lu 175		Hf 179		Ta 181		W 184		Re 186		Os 190		Ir 192		Pt 195		Au 197		Hg 201		Tl 204		Pb 207		Bi 209		Po 210		At 210		Rn 222	
55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86									
Fr 223		Ra 226		La 139		Ce 140		Pr 141		Nd 144		Pm 147		Sm 150		Eu 152		Gd 157		Tb 159		Dy 163		Ho 165		Er 167		Tm 169		Yb 173		Lu 175		Hf 179		Ta 181		W 184		Re 186		Os 190		Ir 192		Pt 195		Au 197		Hg 201		Tl 204		Pb 207		Bi 209		Po 210		At 210		Rn 222									
87		88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105		106		107		108		109		110		111		112		113		114		115		116		117		118									
Fr 223		Ra 226		Ac 227		Th 232		Pa 231		U 238		Np 237		Pu 239		Am 241		Cm 244		Bk 249		Cf 251		Es 252		Fm 257		Md 258		No 259		Lr 262		La 139		Ce 140		Pr 141		Nd 144		Pm 147		Sm 150		Eu 152		Gd 157		Tb 159		Dy 163		Ho 165		Er 167		Tm 169		Yb 173		Lu 175									

Lanthanide Series

Actinide Series