

L3-CHEMR





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	2	He	4.0	10	Ne	20.2	18	Ar	40.0	36	Kr	83.8	54	Xe	131	86	Rn	222			
I			17	6	4	19.0	17	CI	35.5	35	\mathbf{Br}	79.9	53	Ι	127	85	At	210			
			16	8	0	16.0	16	S	32.1	34	Se	79.0	52	Te	128	84	\mathbf{P}_{0}	210	116	Lv	292
			15	7	Z	14.0	15	Ρ	31.0	33	As	74.9	51	\mathbf{Sb}	122	83	Bi	209			
			14	9	U	12.0	14	Si	28.1	32	Ge	72.6	50	Sn	119	82	Pb	207	114	FI	289
			13	5	B	10.8	13	M	27.0	31	Ga	69.7	49	In	115	81	II	204			
									12	30	Zn	65.4	48	Cd	112	80	Hg	201	112	Cn	277
									11	29	Cu	63.5	47	\mathbf{Ag}	108	62	Au	197	111	R_{g}	272
			mass						01	28	Ni	58.7	46	Pd	106	78	Pt	195	110	Ds	271
			Relative atomic mass						9	27	Co	58.9	45	Rh	103	77	Ir	192	109	Mt	268
			Relativ						8	26	Fe	55.9	44		101	76	Os	190	108	Hs	265
	1	Η	1.0						~			54.9			98.9	75	Re	186	107	Bh	264
	umber								9	24	\mathbf{Cr}	52.0	42	$\mathbf{M_0}$	95.9	74	M	184	106	S S	263
	Atomic number								S	23	>	50.9	41	Νb	92.9	73	Та	181	105	Db	262
									4	22	Ti	47.9	40	Zr	91.2	72	Ηf	179	104	Rf	261
									ŝ	21	Sc		ŝ		88.9	7	Lu	175	103	Lr	262
			2	4	Be	9.0	12	M_{g}	24.3	20		40.1	38	Sr	87.6	56	Ba	137	88	Ra	226
			Ι	3	Li	6.9	11	Na	23.0	19	K	39.1	37	Rb	85.5	55	Cs	133	87	Fr	223

	57	58	59	60	61	62	63	64	65	66	67	68	69	70
anthanide	La	Ce	\mathbf{Pr}	Nd	Pm	Sm	Eu	Gd	$\mathbf{T}\mathbf{b}$	Dy	Ho	Er	Tm	Υb
Series	139	140	141	144	147	150	152	157	159	163	165	167	169	173
	89	06	91	92	93	94	95	96	76	98	66	100	101	102
Actinide	Ac	Ч	Pa	N	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No
	227	232	231	238	237	239	241	244	249	251	252	257	258	259