

#### S-CHEMR



### Scholarship 2013 Chemistry

2.00 pm Saturday 16 November 2013

#### **RESOURCE SHEET**

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

Check that this sheet is printed on the back.

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

## S-CHEMR

# PERIODIC TABLE OF THE ELEMENTS

18	2 He	4.0	10	Ne	20.2	18	Ā	40.0	36	궃	83.8	54	×e	131	86	Ru	222			
1		17	6	ш	19.0	17	రె	35.5	35	B	6.62	53	-	127	85	¥	210			
		16	80	0	16.0	16	တ	32.1	34	Se	79.0	52	<u>a</u>	128	84	Ро	210	116	^	292
		15	7	z	14.0	15	۵	31.0	33	As	74.9	51	Sb	122	83	Ξ	209			
		14	9	ပ	12.0	41	Si	28.1	32	g	72.6	50	Sn	119	82	Pb	207	114	正	289
		13	5	Ω	10.8	13	₹	27.0	31	Ga	2.69	49	드	115	81	F	204			
								12	30	Zn	65.4	48	S	112	80	Ε̈́Ε	201	112	ü	277
								11	29	Cn	63.5	47	Ag	108	79	Αn	197	111	Rg	272
		πol⁻¹						10	28	Z	58.7	46	Pd	106	78	풉	195	110	Ds	271
		Molar mass/g mol-1						6	27	ဝိ	58.9	45	R	103	77	<u>-</u>	192	109	¥	268
		Molar	1					00	26	Рe	55.9	44	Ru	101	9/	Os	190	108	НS	265
	1 H	1.0						7	25	Mn	54.9	43	ဥ	98.9	75	Re	186	107	Bh	264
	Atomic number							9	24	ပ်	52.0	42	Mo	95.9	74	>	184	106	Sg	263
	Atomic r							5	23	>	50.9	41	q	92.9	73	<u>Б</u>	181	105	Dp	262
								4	22	F	47.9	40	Zr	91.2	72	Ξ	179	104	₹	261
								က	21	Sc	45.0	39	<b>&gt;</b>	88.9	71	ב	175	103	۲	262
		7	4	Be	9.0	12	Mg	24.3	20	Ca	40.1	38	S	87.6	56	Ва	137	88	Ra	226
		1	က	=	6.9	7	Na	23.0	19	¥	39.1	37	R <sub>b</sub>	85.5	55	Cs	133	87	፟	223

	22	58	59	09	61	62	63	64	65	99	29		69	70
Lanthanide	La	Ce	Ą	Nd	Pm	Sm	En	Вd	Tp	Dy	9	Д	Tm	Υb
Series	139	140	141	144	147	150	152		159	163	165		169	173
	89	06	91	92	93		95	96	97			100	101	102
Actinide	Ac	드	Ра	_	ď	Pu	Am	Cm	짪	င်		Fm	Md	%
Series	227	232	231	238	237		241	244	249		252	257	258	259