

S-CHEMR



Scholarship 2012 Chemistry

9.30 am Saturday 17 November 2012

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.

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PERIODIC TABLE OF THE ELEMENTS

78 He 4.0	0 Ne 20.2	8 Ar 40.0	36 Kr 83.8	Xe 131	5 Rn 222	
7	_	_		ν̈́	8 8	
17	9 F 19.0	17 CI 35.5	35 Br 79.9	53 127	85 At 210	
16	8 0 16.0	16 s 32.1	34 Se 79.0	52 Te 128	84 Po 210	
15	N 14.0	15 P 31.0	33 As 74.9	51 Sb 122	83 Bi 209	
4	6 c 12.0	14 Si 28.1	32 Ge 72.6	50 Sn 119	82 Pb 207	
13	5 B 10.8	13 Al 27.0	31 Ga 69.7	49 In 115	81 T 204	
		12	30 Zn 65.4	48 Cd 112	80 Hg 201	112 Cn 285
		11	29 Cu 63.5	47 Ag 108	79 Au 197	111 Rg 272
nol-1		10	28 Ni 58.7	46 Pd 106	78 Pt 195	110 Ds 271
Molar mass/g mol ⁻¹		0)	27 Co 58.9	45 Rh 103	77 Ir 192	109 Mt 268
Molarπ		00	26 Fe 55.9	44 Ru 101	76 0s 190	108 Hs 265
1 1 0.		_	25 Mn 54.9	43 Tc 98.9	75 Re 186	107 Bh 264
umber		9	24 Cr 52.0	42 Mo 95.9	74 W 184	106 Sg 263
Atomic number 1		rv	23 v 50.9	41 Nb 92.9	73 Ta 181	105 Db 262
•		4	22 Ti 47.9	40 Zr 91.2		104 Rf 261
		ო	21 Sc 45.0	39 × 88.9	71 Lu 175	103 Lr 262
2	4 Be 9.0	12 Mg 24.3	20 Ca 40.1	38 Sr 87.6	56 Ba 137	88 Ra 226
7	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	09	61	62	63	64	65	99	29	89	69	20
anthanide	La	Se	Ą	PN	Pm	Sm	Ш	В	Tp	Dy	우	ш	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	97	98	66	100	101	102
Actinide	Ac	Ħ	Ра	-	ď	٦	Am	Cm	BĶ	ర	Es	Fm	Md	%
Series	227	232	231	238	237	239	241	244	249	251	252	257	258	259