90944R



Level 1 Science, 2013

90944 Demonstrate understanding of aspects of acids and bases

9.30 am Monday 18 November 2013 Credits: Four

RESOURCE BOOKLET

Refer to this booklet to answer the questions for 90944.

Check that this booklet has pages 2–3 in the correct order and that none of these pages is blank.

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

Table of Ions

+1	+2	+3	-3	-2	-1
NH ₄ ⁺	Ca ²⁺	A1 ³⁺		O ²⁻	OH-
Na ⁺	Mg ²⁺	Fe ³⁺		S ²⁻	Cl ⁻
K ⁺	Cu ²⁺			CO ₃ ²⁻	NO ₃
Ag ⁺	Pb ²⁺			SO ₄ ²⁻	HCO ₃
H ⁺	Fe ²⁺				F ⁻
	Ba ²⁺				
	Zn ²⁺				

PERIODIC TABLE OF THE ELEMENTS

18 2 He	10 Ne	18 Ar	36 Kr	54 Xe	86 Rn	
17	9 F	17 CI	35 Br	53 I	85 A t	
16	© ⊗	91 S	34 Se	52 Te	84 Po	
15	Z	15 P	33 As	51 Sb	83 Bi	
41) 9	14 S	32 Ge	50 Sn	82 Pb	
13	B	13 Al	31 Ga	49 In	81 T1	
		12	30 Zn	48 Cd	80 Hg	
		11	29 Cu	47 Ag	79 Au	Rg
		10	28 N	46 Pd	78 Pt	110 Ds
		O	27 C 0	45 Rh	77 Ir	109 Mt
	1	∞	26 Fe	44 Ru	92 Os	Hs
H H		_	25 Mn	43 Tc	75 Re	107 Bh
Number		9	24 C r	42 Mo	74 W	106 S g
Atomic Number		Ŋ	23 V	41 Nb	73 Ta	105 Db
		4	22 Ti	40 Zr	72 Hf	104 Rf
		ო	21 Sc	39 Y	71 Lu	103 Lr
2	4 Be	12 Mg	20 Ca	38 Sr	56 Ba	88 Ra
7	J. Ti	11 Na	19 K	37 Rb	55 Cs	87 Fr

70	102
Yb	No
69	101
Tm	Md
68	100
Er	Fm
OH	99 Es
66	98
Dy	Cf
65	97
Tb	Bk
64	96
Gd	Cm
63	95
Eu	Am
62	94
Sm	Pu
61	93
Pm	Np
PN	92 U
59	91
Pr	Pa
58	90
Ce	Th
57	89
La	Ac