90944R



Level 1 Science, 2019

90944 Demonstrate understanding of aspects of acids and bases

9.30 a.m. Thursday 14 November 2019 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	0g
17	9 F	17 CI	35 Br	53 I	85 At	117 Ts
16	© 8	16 S	34 Se	52 Te	84 Po	116 Lv
15	Z	15 P	33 As	51 Sb	83 Bi	115 Mc
4) 9	14 Si	32 Ge	50 Sn	82 Pb	114 F1
13	5 B	13 Al	31 Ga	49 In	18 T	113 Nh
		12	30 Zn	48 C d	80 Hg	112 C n
		11	29 Cu	47 Ag	79 Au	Rg
		01	28 N	46 Pd	78 Pt	110 Ds
		6	27 C0	45 Rh	77 Ir	109 Mt
	1	80	26 Fe	44 Ru	92 Os	108 Hs
1 H			25 Mn	43 Tc	75 Re	107 Bh
Atomic number		9	24 C r	42 Mo	74 W	106 Sg
Atomic		'n	23 V	41 Nb	73 Ta	105 Db
		4	22 Ti	40 Zr	72 Hf	104 Rf
		8	21 Sc	39 Y	71 Lu	103 Lr
~	4 Be	12 Mg	20 Ca	38 Sr	56 Ba	88 Ra
1	3 Li	11 Na	19 K	37 Rb	55 Cs	87 Fr

57	58	59	PN	61	62	63	64	65	66	67	68	69	70
La	Ce	Pr		Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
89	90	91	92	93	94	95	96	97	98	99	100	101	102
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No