

90944R



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

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+}	Al^{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

Atomic number																		1 H	18																	
1			2															17		18																
3	4	12																	9	10																
11	19	37	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36																	
19	37	55	87	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118																	
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