

L1-CHEMR

NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

Level 1 Chemistry, 2008

9.30 am Friday 28 November 2008

RESOURCE BOOKLET
for 90171, 90172, 90173
and 90640

Refer to this booklet to answer the questions in your Question and Answer Booklets.

Check that this booklet has pages 2 and 3 in the correct order and that neither of these pages is blank.

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

Activity series

Li	Na	Ca	Mg	Al	Zn	Fe	Pb	(H)	Cu	Ag	Au
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Solubility rules

nitrates, NO_3^-	All soluble
chlorides, Cl^-	All soluble except AgCl , PbCl_2
sulfates, SO_4^{2-}	All soluble except BaSO_4 , PbSO_4 , CaSO_4
hydroxides, OH^-	All insoluble except KOH , NaOH
carbonates, CO_3^{2-}	All insoluble except K_2CO_3 , Na_2CO_3

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+}				CH_3COO^-
Li^+	Ba^{2+}				
	Zn^{2+}				

PERIODIC TABLE OF THE ELEMENTS

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