## Solubility Chart

(use with Double Replacement Reactions)

Table 17.3 Solubilities of lonic Compounds\* aq = aqueous (dissolves in water); s = solid (does not dissolve in water)

lons	Acetate	Bromide	Carbonate	Chlorate	Chloride	Fluoride	Hydrogen Carbonate	Hydroxide	lodide	Nitrate	Nitrite	Phosphate	Sulfate	Sulfide	Sulfite
Aluminum	s	aq		aq	aq	s		s	;:—:	aq		s	aq	1-	
Ammonium	aq	aq	aq	aq	aq	aq	aq	_	aq	aq	aq	aq	aq	aq	aq
Barium	aq	aq	s	aq	aq	s		aq	aq	aq	aq	s	s	:	s
Calcium	aq	aq	s	aq	aq	S		š	aq	aq	aq	S	s	,	s
Cobalt(II)	aq	aq	s	aq	aq			S	aq	aq		S	aq	S	s
Copper(II)	aq	aq	s	aq	aq	aq		s		aq		S	aq	s	
Iron(II)	aq	aq	s		aq	S		5	aq	aq		s	aq	S	8
Iron(III)	_	aq			aq	s		5	aq	aq		s	aq	8_2	
Lead(II)	aq	S	s	aq	s	s		S	8	aq	aq	s	s	s	s
Lithium	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	S	aq	aq	aq
Magnesium	aq	aq	s	aq	aq	s		5	aq	aq	aq	s	aq	;:—a.	aq
Nickel	aq	aq	s	aq	aq	aq		S	aq	aq		S	aq	s	s
Potassium	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq
Silver	S	s	S	aq	S	aq		-	S	aq	S	S	s	s	s
Sodium	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq	aq
Zinc	aq	aq	s	aq	aq	aq		5	aq	aq		S	aq	s	s

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## Activity Series For use with Single Replacement Reactions

