TABLE 4.1 Solubility Guidelines for Common Ionic Compounds in Water		
Soluble Ionic Compounds		Important Exceptions
Compounds containing	NO ₃	None
	$C_2H_3O_2^-$	None
	CĪ-	Compounds of Ag ⁺ , Hg ₂ ²⁺ , and Pb ²⁺
	Br ⁻	Compounds of Ag ⁺ , Hg ₂ ²⁺ , and Pb ²⁺
	Γ	Compounds of Ag+, Hg22+, and Pb2+
	SO ₄ ²⁻	Compounds of Sr ²⁺ , Ba ²⁺ , Hg ₂ ²⁺ , and Pb ²⁺
Insoluble Ionic Compounds		Important Exceptions
Compounds containing	S ²⁻	Compounds of NH ₄ ⁺ , the alkali metal cations, and Ca ²⁺ , Sr ²⁺ , and Ba ²⁺
	CO ₃ ²⁻	Compounds of NH ₄ ⁺ and the alkali metal cations
	PO ₄ ³⁻	Compounds of NH ₄ ⁺ and the alkali metal cations
	OH ⁻	Compounds of the alkali metal cations, and Ca ²⁺ , Sr ²⁺ , and Ba ²⁺

L