

NAMING ACIDS

Fill the following table with the missing information.

Formula	Cation	Formula for Anion	Name of Anion	Name of Acid
HCl	H ⁺	Cl ⁻	Chloride	
HNO ₃	H ⁺		Nitrate	
	H ⁺	F ⁻		Hydrofluoric acid
H ₂ SO	H ⁺	SO ₄ ²⁻		
	H ⁺		Carbonate	
H ₂ SO ₃			Sulfite	
		ClO ₃ ⁻		Chloric acid
	H ⁺		Phosphate	
H ₂ C ₂ O ₄			Oxalate	
				Hydrocyanic acid
				Acetic acid
		I ⁻		
			Sulfide	
HClO				
		AsO ₄ ³⁻		
				Nitrous acid

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Fill the following table with the missing information.

Answers

Formula	Cation	Formula for Anion	Name of Anion	Name of Acid
HCl	H ⁺	Cl ⁻	Chloride	Hydrochloric acid
HNO ₃	H ⁺	NO ₃ ⁻	Nitrate	Nitric acid
HF	H ⁺	F ⁻	Fluoride	Hydrofluoric acid
H ₂ SO ₄	H ⁺	SO ₄ ²⁻	Sulfate	Sulfuric acid
H ₂ CO ₃	H ⁺	CO ₃ ²⁻	Carbonate	Carbonic acid
H ₂ SO ₃	H ⁺	SO ₃ ²⁻	Sulfite	Sulfurous acid
HClO ₃	H ⁺	ClO ₃ ⁻	Chlorate	Chloric acid
H ₃ PO ₄	H ⁺	PO ₄ ³⁻	Phosphate	Phosphoric acid
H ₂ C ₂ O ₄	H ⁺	C ₂ O ₄ ²⁻	Oxalate	Oxalic acid
HCN	H ⁺	CN ⁻	Cyanide	Hydrocyanic acid
CH ₃ COOH	H ⁺	CH ₃ COO ⁻	Acetate	Acetic acid
HI	H ⁺	I ⁻	Iodide	Hydroiodic acid
H ₂ S	H ⁺	S ²⁻	Sulfide	Hydrosulfuric acid
HClO	H ⁺	ClO ⁻	Hypochlorite	Hypochlorous acid
H ₃ AsO ₄	H ⁺	AsO ₄ ³⁻	Arsenate	Arsenic acid
HNO ₂	H ⁺	NO ₂ ⁻	Nitrite	Nitrous acid