Guidelines for Predicting Polar and Nonpolar Molecules

	Type	Description	Example
Polar	AB	Diatomic compounds	$CO_{(g)}$
	HA_x	Any molecule with a single H	$HCl_{(g)}$
	A_xOH	Any molecule with an OH at the end	$C_2H_5OH_{(l)}$
	O_xA_y	Any molecule with an O at one end	$H_2O_{(l)}, OCl_{2(g)}$
	N_xA_y	Any molecule with an N at one end	$NH_{3(g)}, NF_{3(g)}$
Nonpolar	A_x	All elements	$Cl_{2(g)}, N_{2(g)}$
	C_xA_y	Most carbon compounds (including organic solvents, fats, and oils)	$CO_{2(g)}, CH_{4(g)}$