

MOLECULAR WEIGHTS FOR MANY GASES OF INTEREST		
Compound	Formula	Molecular Weight
Ammonia	NH ₃	17.031
Arsine	AsH ₃	77.945
Benzene	C ₆ H ₆	78.114
Bromine	Br ₂	159.808
Carbon disulfide	CS ₂	76.143
Carbon monoxide	CO	28.010
Carbon tetrachloride	CCl ₄	153.822
Chlorine	Cl ₂	70.905
Chlorine dioxide	ClO ₂	67.452
Dimethyl sulfide	(CH ₃) ₂ S	62.136
Ethylene	C ₂ H ₄	28.054
Ethylene oxide	H ₂ COCH ₂	44.053
Formaldehyde	HCHO	30.026
Hydrazine	H ₂ NNH ₂	32.045
Hydrogen	H ₂	2.016
Hydrogen bromide	HBr	80.912
Hydrogen chloride	HCl	36.461
Hydrogen cyanide	HCN	27.026
Hydrogen peroxide	H ₂ O ₂	34.015
Hydrogen sulfide	H ₂ S	34.082
Methyl mercaptan	CH ₃ SH	48.109
Monomethyl hydrazine	CH ₃ NHNH ₂	46.072
Nitric oxide	NO	30.006
Nitrogen dioxide	NO ₂	46.006
Nitrogen tetroxide	N ₂ O ₄	92.011
Ozone	O ₃	47.998
Peracetic acid	CH ₃ COOOH	76.051
Phosphine	PH ₃	33.998
Propylene oxide	CH ₃ CHOCH ₂	58.080
Silane	SiH ₄	32.117

Sulfur dioxide	SO_2	64.065
Sulfuryl fluoride	SO_2F_2	102.062
Unsymmetrical dimethyl hydrazine	$(\text{CH}_3)_2\text{NNH}_2$	60.0984