

# Appendix 6

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## CHEMICAL SYMBOLS

O	atomic oxygen	$C_2H_6$	ethane
$O_2$	molecular oxygen	$C_3H_8$	propane
$O_3$	ozone	$C_2H_4$	ethylene
N	atomic nitrogen	$C_2H_2$	acetylene
$N_2$	molecular nitrogen	$CH_3Br$	methyl bromide
$N_2O$	nitrous oxide	$CH_3Cl$	methyl chloride
NO	nitric oxide	$CH_3CCl_3$	methyl chloroform
$NO_2$	nitrogen dioxide	$CH_2Cl_2$	dichloromethane
$NO_3$	nitrate radical	$CHCl_3$	chloroform, trichloromethane
$NO_y$	total active nitrogen	Br	bromine
$NO_x$	nitrogen oxide	BrO	bromine monoxide
$HNO_3$	nitric acid	F	fluorine
$NH_3$	ammonia	PAN: $CH_3CO_3NO_2$	peroxyacetylnitrate
H	hydrogen	$pCO_2$	partial pressure $CO_2$
$H_2O$	water	CFC	chlorofluorocarbon
$H_2O_2$	hydrogen peroxide	HC	hydrocarbon
OH	hydroxyl	HCFC	hydrochlorofluorocarbon
$HO_2$	hydroperoxyl	HFC	hydrofluorocarbon
C	carbon	NMHC	non-methane hydrocarbons
CO	carbon monoxide	VOC	volatile organic compound
$CO_2$	carbon dioxide	DMS	dimethylsulphide
$CS_2$	carbon disulphide	CFC-11	$CFCl_3$ , $CCl_3F$ (trichlorofluoromethane)
COS	carbonyl sulphide	CFC-12	$CF_2Cl_2$ , $CCl_2F_2$ (dichlorodifluoromethane)
$CCl_4$	carbon tetrachloride	CFC-13	$CF_3Cl$ , $CClF_3$ (chlorotrifluoromethane)
S	sulphur	CFC-14	$CF_4$ (tetrafluoromethane)
$SO_2$	sulphur dioxide	CFC-113	$C_2F_3Cl_3$ , $CCl_2FCClF_2$ (trichlorotrifluoroethane)
$SO_x$	sulphur oxide	CFC-114	$C_2F_4Cl_2$ , $CClF_2CClF_2$ (dichlorotetrafluoroethane)
$SF_6$	sulphur hexafluoride	CFC-115	$C_2F_5Cl$ , $CClF_2CF_3$ (chloropentafluoroethane)
$H_2SO_4$	sulphuric acid	CFC-116	$CF_3CF_3$ , $C_2F_6$ (hexafluoroethane)
$H_2S$	hydrogen sulphide		
HCl	hydrochloric acid		
HOCl	hypochlorous acid		
Cl	chlorine		
$Cl_2$	molecular chlorine		
ClO	chlorine monoxide		
$ClO_2$	chlorine dioxide		
$ClONO_2$	chlorine nitrate		
$CH_4$	methane		

<b>HCFC-22</b>	CHF <sub>2</sub> Cl (chlorodifluoromethane)
<b>HCFC-123</b>	C <sub>2</sub> HF <sub>3</sub> Cl <sub>2</sub> (CHCl <sub>2</sub> CF <sub>3</sub> )
<b>HCFC-124</b>	CHFClCF <sub>3</sub>
<b>HFC-125</b>	CHF <sub>2</sub> CF <sub>3</sub>
<b>HCFC-132b</b>	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub>
<b>HFC-134a</b>	C <sub>2</sub> H <sub>2</sub> F <sub>4</sub> (CH <sub>2</sub> FCF <sub>3</sub> )
<b>HCFC-141b</b>	CH <sub>3</sub> CFCl <sub>2</sub>
<b>HCFC-142b</b>	CH <sub>3</sub> CF <sub>2</sub> Cl
<b>HFC-143a</b>	CH <sub>3</sub> CF <sub>3</sub>
<b>HFC-152a</b>	CH <sub>3</sub> CHF <sub>2</sub>
<b>HALON 1211</b>	CF <sub>2</sub> BrCl (CBrClF <sub>2</sub> ) (bromodichloromethane)
<b>HALON 1301</b>	CF <sub>3</sub> Br (CBrF <sub>3</sub> ) (bromotrifluoromethane)
<b>HALON 2402</b>	C <sub>2</sub> F <sub>4</sub> Br <sub>2</sub> (dibromotetrafluoroethane)