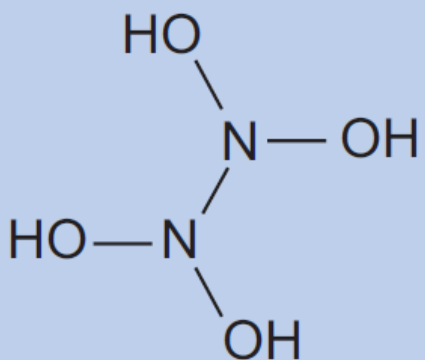
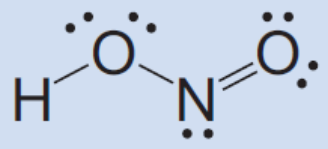
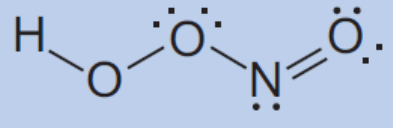
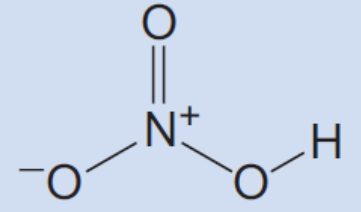


Structures of oxides of nitrogen and ox acids of nitrogen

Structures of oxides of nitrogen:

Name	Formula	Structure
Nitrous oxide	N_2O	$:N \equiv N^+ - \ddot{O}^-: \leftrightarrow \ddot{N}^- = N = \ddot{O}^+$
Nitric oxide	NO	$\begin{array}{c} N \equiv O \\ \longleftarrow 115 \text{ pm} \longrightarrow \end{array}$
Dinitrogen trioxide (or) Nitrogen sesquioxide	N_2O_3	$\begin{array}{ccc} O & O^- & O & O \\ & & & \\ N & - N^+ & \leftrightarrow & N & - N^+ \\ & & & \\ & O & & O^- \end{array}$
Nitrogen dioxide	NO_2	$\ddot{O} = \dot{N} - \ddot{O}:$
Nitrogen tetroxide	N_2O_4	$\begin{array}{ccc} O & & O \\ & & \\ N & - & N \\ & & \\ O & & O \end{array}$
Nitrogen pentoxide	N_2O_5	$\begin{array}{ccc} :O: & & :O: \\ & & \\ N & - \ddot{O} - & N \\ & & \\ :\ddot{O}: & & :\ddot{O}: \end{array}$

Structures of oxoacids of nitrogen:

Name	Formula	Structure
Hyponitrous acid	$H_2N_2O_2$	$HO - N = N - OH$
Hydronitrous acid	$H_4N_2O_4$	
Nitrous acid	HNO_2	
Pernitrous acid	$HOONO$	
Nitric acid	HNO_3	
Pernitric acid	HNO_4	