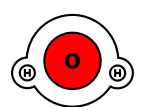


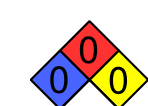
WATER

oxane
oxidane



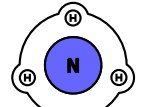
H2O 18 g/mol

From a drop of water a logician could infer the possibility of an Atlantic or a Niagara without having seen or heard of one or the other. -- Arthur Conan Doyle




AMMONIA

azane
hydrogen nitride



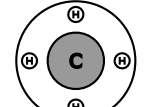
NH3 17 g/mol

Spirit of Hartshorn.--This volatile liquor often affords immediate relief in cases of lowness of spirits, fainting, and hysterical fits. It may be rubbed over the temples, and applied to the nostrils.



METHANE


marsh gas
natural gas (80%)



CH4 16 g/mol

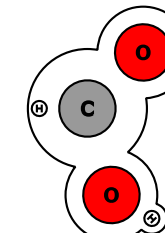
The United Nations has declared the methane from cow emissions the greatest threat to the climate, forests, and wildlife.

alkane



FORMIC ACID


methanoic acid



HCOOH 46 g/mol

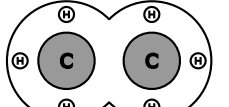
pismire (n.) an archaic or dialect word for an ant. (literally: urinating ant, from the odour of formic acid characteristic of an ant hill)

acid




ETHANE

natural gas (5%)
ethyl hydride



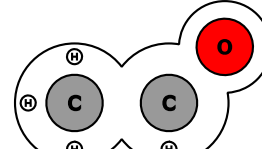
C2H6 30 g/mol

alkane



ACETALDEHYDE


ethyl aldehyde
ethanal



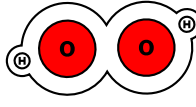
C2H4O 44 g/mol

Description: Distinctive, straw-like, somewhat acid character; sherry-like. Prevention: Minimize exposure of finished wines to air.

aldehyde




HYDROGEN PEROXIDE



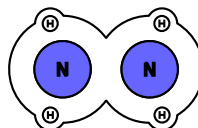
H2O2 34 g/mol

Bleach, disinfectant, rocket propellant




HYDRAZINE

diamine
diazane



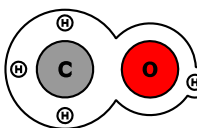
N2H4 32 g/mol

Hydrazine was first used as a rocket fuel during World War II for the first rocket-powered fighter plane under the code name B-Stoff.



METHANOL


wood alcohol
methyl alcohol



CH3OH 32 g/mol

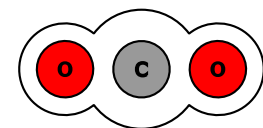
Beware of bad moonshine: two shots blind you, three shots kill you.

alcohol




CARBON DIOXIDE

air (1%)
spiritus sylvestre



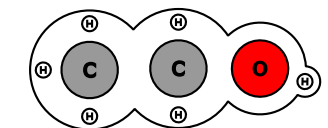
CO2 44 g/mol

As a scientist, my attention became totally focused on global warming some 15 years ago by the elegant and powerful measurements of carbon dioxide trapped in ice cores taken as much as 2 miles deep from the great East Antarctica ice sheet. -- John Oliver



ETHANOL


grain alcohol
ethyl alcohol



C2H5OH 46 g/mol

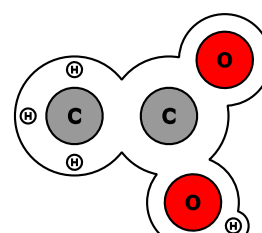
Shaken, not stirred.

alcohol



ACETIC ACID


vinegar (10%)



CH3COOH 60 g/mol

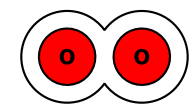
The best wine doth make the sharpest vinegar. -- John Lyly

acid




OXYGEN

air (21%)



O2 32 g/mol

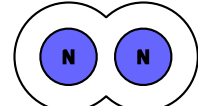
Among the notable things about fire is that it also requires oxygen to burn - exactly like its enemy, life. Thereby are life and flames so often compared. -- Otto Weininger



gas

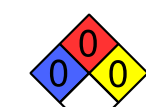
NITROGEN

air (80%)



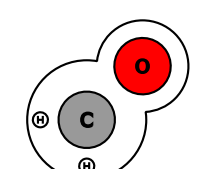
N2 28 g/mol

All we are is a lot of talking nitrogen. -- Arthur Miller



FORMALDEHYDE


methanal
formalin



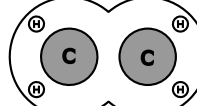
CH2O 30 g/mol

Formaldehyde mixed with blood causes the grey discoloration known as 'embalmer's grey'.

aldehyde




ETHYLENE



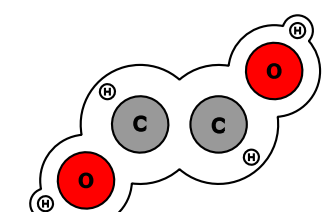
C2H4 28 g/mol

Ethylene...why can't you be true?

alkene




ETHYLENE GLYCOL



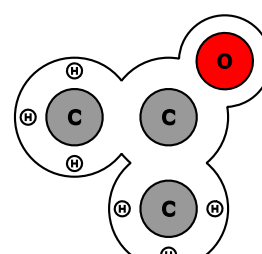
C2H6O2 62 g/mol

It was the mechanic, in the garage, with the antifreeze.

alcohol



ACETONE



(CH3)2CO 58 g/mol

In a pinch, diabetic urine could be used to remove nail polish.

ketone

