levois structure

electron domain

molecular geometries

terahedra!

trigonal pyramidal

trigonal planar

trigonal planar

trigonal bipyramidal

T- shaped

tetra hedral

trigonal pyramid

-trigonal bipyramidal

linear

(4)
$$0 = B_{v} - 0$$
: tetrahedral

bent

9,52

(a) Sp3

(b) Sp

(8 single bond, I double bond)

9,18

ca) paramagnetism is a form of magnetism whereby the substance is attracted by an external magnetic field, paramagnetic substance must have at least unpaired electron.

CC)
$$O_{2}^{+}$$
 cuppaved electron N_{2}^{2} cuppaved electron

 $T_{2}p^{*}\frac{1}{1!}\frac{1}{1!}$
 $T_{2}p^{*}\frac{1}1$
 $T_{$

9.82

(a)

$$\frac{1}{1 \ln 1 \ln 1} = \frac{1}{1 \ln$$

NO

(b)
$$N0^{+}$$
 bond order: $\frac{8-2}{2} = 3$

$$NO^-$$
 bond order: $\frac{d-4}{2} = 2$