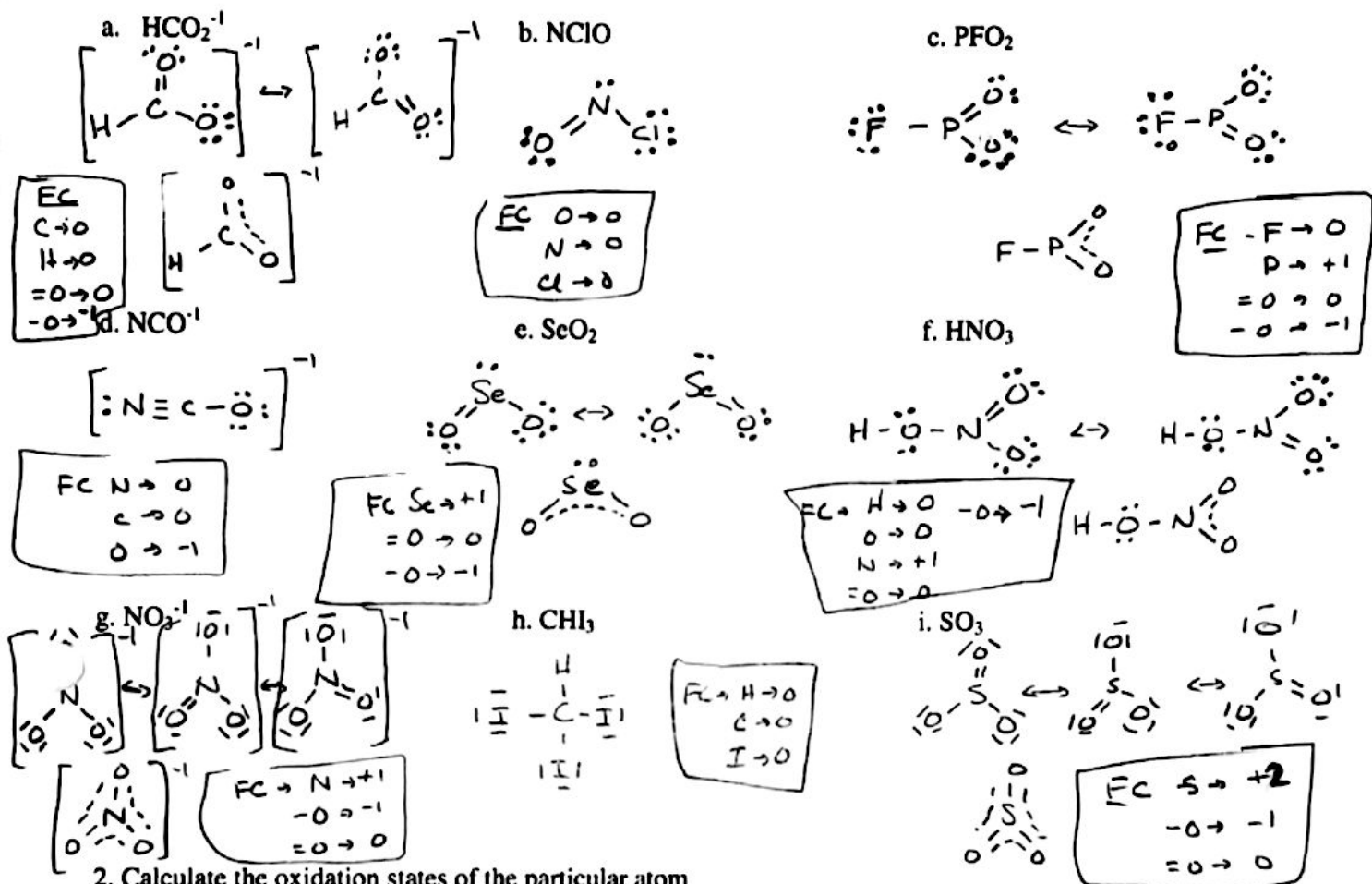


1. Draw the correct Lewis structures for the following, if they demonstrate resonance, draw that also. Be sure to calculate formal charges.



2. Calculate the oxidation states of the particular atom

a. C in CF_4

+4

b. P in PCl_3

+3

c. P in PCl_5

+5

d. O in H_3O^+

-2

e. S in SO_4^{2-}

+6

f. B in BCl_4^-

+3

3. Give the name of the following molecules found on this worksheet

a. #1 letter e

Selenium dioxide

b. #1 letter f

Hydrogen nitrate

c. #1 letter I

Sulfur trioxide

d. #2 letter a

Carbon tetrafluoride

e. #2 letter b

Phosphorus trichloride

f. #2 letter c

Phosphorus pentachloride