

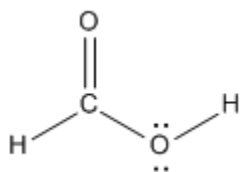
CONCEPT: FORMAL CHARGES

Whenever there is a difference between the number of valence electrons that an atom has and its group number, a formal charge is assigned.

$$\text{FORMAL CHARGE} = \text{Group \#} - \text{Valence Electrons}$$

- The _____ is the term that we give to the SUM of all the formal charges of a molecule.

EXAMPLE: Calculate the formal charges of ALL atoms.



PRACTICE: Calculate the formal charges of ALL atoms. Indicate if the molecule has a net charge.

