

Choose the one correct statement (my mistake I had 2)

**Incorrect** a) In  $PO_4^{3-}$ , # valence  $\bar{e} = 5 + 4(6) = 29$  charge =  $26\bar{e}$  32 $\bar{e}$   
*negative charge* incorrect

b)  $\begin{array}{c} | \\ \bar{O} \\ | \\ \bar{C} \\ | \\ \bar{O} \end{array}$  # e pairs in structure = 16  
 # e =  $16 \times 2 = 32\bar{e}$   
 # valence  $\bar{e} = (17)4 + 4 = 32\bar{e}$   
 this is final structure

c) For  $CO_2 \rightarrow$  # valence  $\bar{e} = 4 + 2(6) = 16\bar{e}$   
 trial structure  $\bar{O}=\bar{C}=\bar{O}$  all atoms have octet + #  $\bar{e} = 20\bar{e}$  in structure  
 not final structure

d) Lewis dot structure for N is  $\cdot \ddot{N} \cdot$

e)  $\begin{array}{c} | \\ \bar{H} \\ | \\ \bar{H}-\bar{C}-\bar{H} \\ | \\ \bar{H} \end{array}$  has #  $\bar{e}$  in structure =  $16\bar{e}$  pairs  $\times 2 = 32\bar{e}$   
 + is the final structure

*It can only have a maximum of 2 $\bar{e}$  not an octet (He also has 2 $\bar{e}$  maximum)*

**Incorrect** asked from note