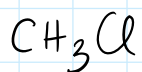
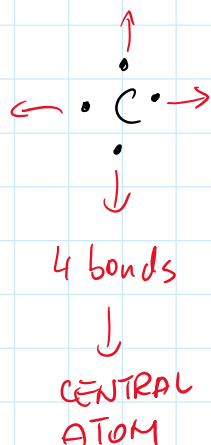


CH₃Cl

who is central

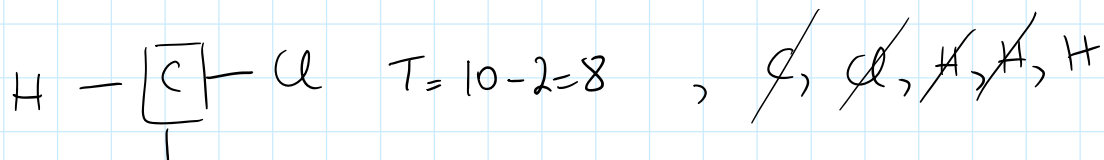
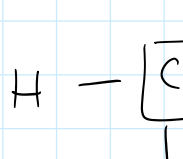
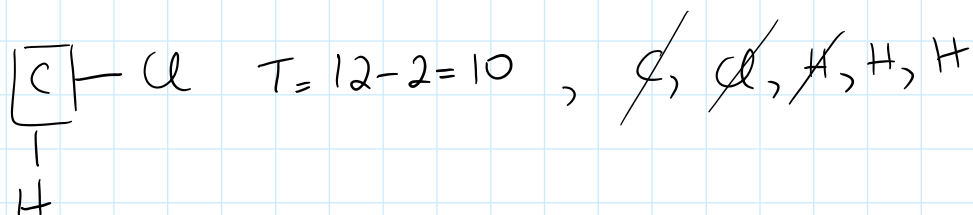
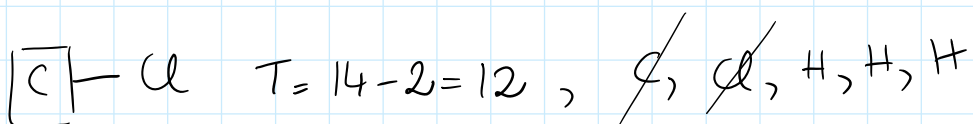
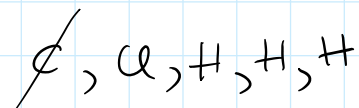
H is NEVER
CENTRAL

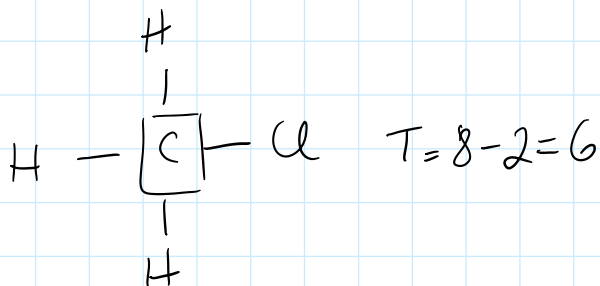
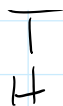
$$T = \underset{\downarrow}{4} + \underset{\downarrow}{3}(1) + \underset{\downarrow}{7} = 4 + 3 + 7 = 14$$

C H Cl

chose C as the
central atom:

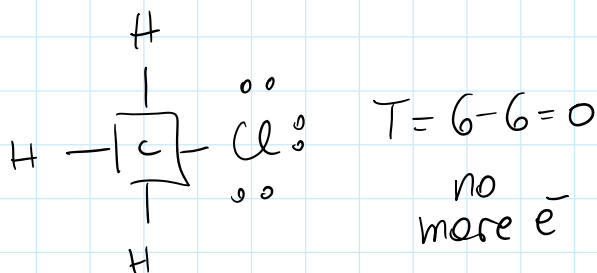
T = 14





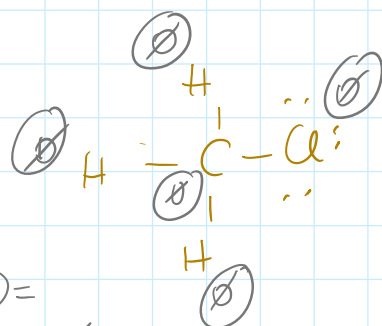
~~C, Cl, H, H, H~~
no more atoms left to use

Cl can use 6e⁻ to form an 8e⁻



—||—

Calculate FC-S



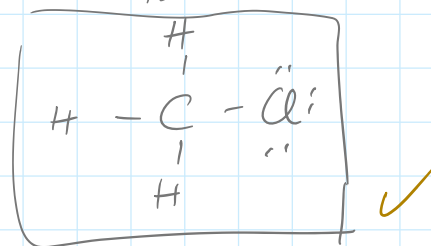
$$FC(\text{Cl}) = 7 - 1 - 6 = 0 \checkmark$$

Hydrogens w/ one bond are just right

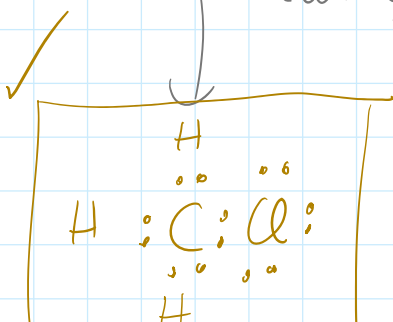
$$FC(\text{C}) = 4 - 4 = 0 \checkmark$$

$$\text{Total FC-S} = 0 \times 5 = 0 \leftarrow \text{great}$$

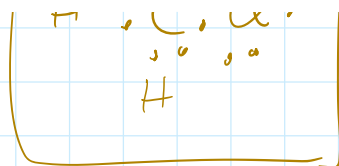
this is the structure



translate to Lewis dot diagram.



← replace every bond w/ 2 dots.



w/ a pairs