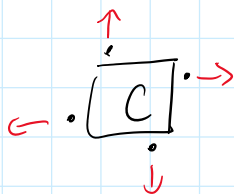


which atom
can be
central?

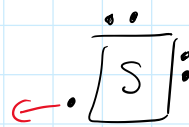
not H
for sure

central:
C or S?



4 bonds

central ✓



2 bonds

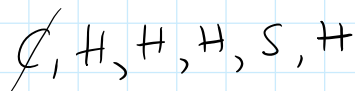
$$T = \underset{\downarrow}{4} + \underset{\downarrow}{3(1)} + \underset{\downarrow}{6} + \underset{\downarrow}{1} = 7 + 7 = 14$$

C H S H

C is central

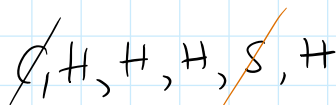
C

$T = 14e^-$



C-S

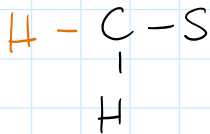
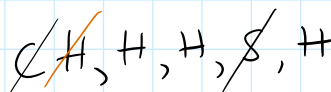
$T = 14 - 2 = 12$



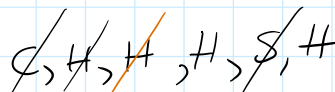
C-S

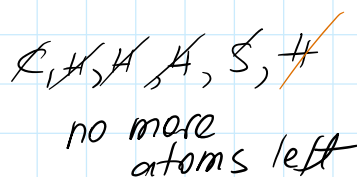
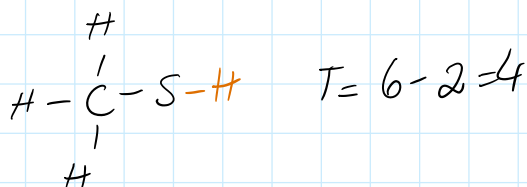
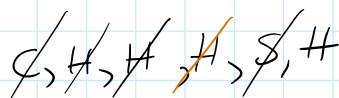
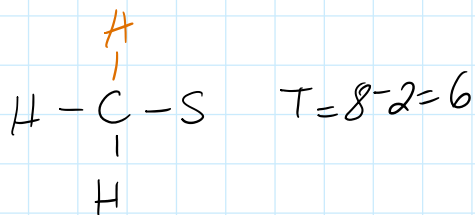


$T = 12 - 2 = 10$

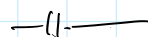
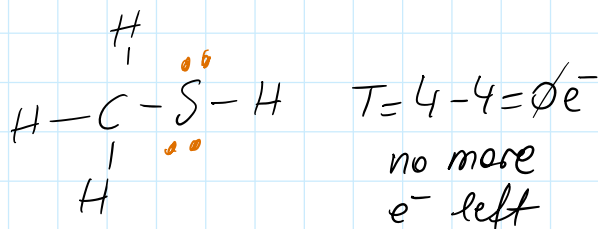


$T = 10 - 2 = 8$





S could use 4 more e^- to make an 8et



Calc Fc
(except H)

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

$$\text{Fc}(\text{S}) = 6 - 2 - 4 \text{ rods} = 0 \checkmark \rightarrow \text{perfect}$$

$$\text{Total Fc} = 0 + \dots + 0 = 0 \rightarrow \text{great b/c this formula is neutral.}$$

The structure is =

Lewis
and the dot diagram:

