

Tennis Ball ← point group.

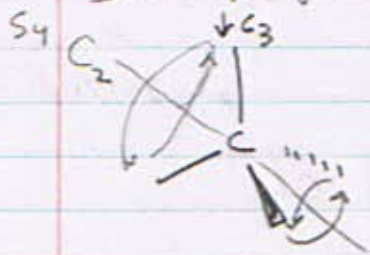
①

Quiz next Tuesday.

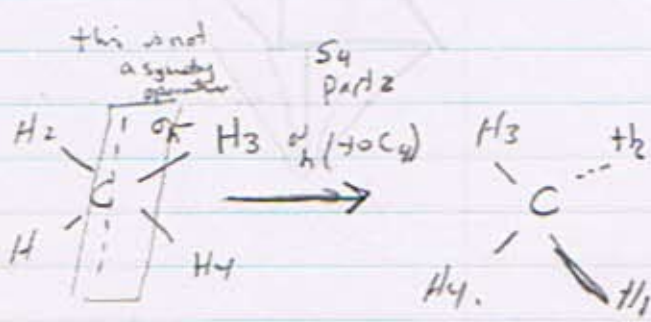
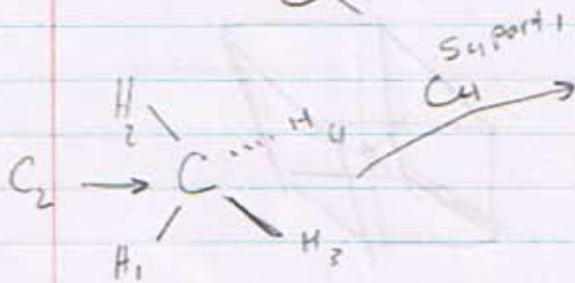
July 23/08

clear give representations symmetry + point group.

Draw rep. of S_4 .



$$S_4 = C_4 \cdot \sigma_h$$



is T_d has inversion center? NO.

$$C \equiv S_2 \quad S_2 = C_2, \perp \sigma$$

S_n must have i $S_4 + i$

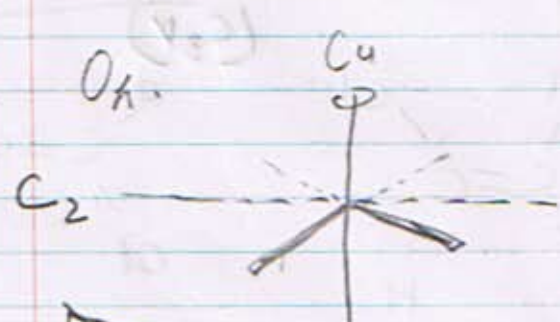
S_2 is not inversion

S not having to have i

D_{2d}

achiral

there is



- ① - $3C_4$
- ② - C_2 ($\frac{1}{2} C_4 = d$)
- $C_2 \equiv C_4^2$ يعني فوق C_4
- $C_2 \equiv C_4^2$ يعني تحت C_4



- ③ - $C_3 \rightarrow$