

SnCl_2 in C_{2v}

$\text{--- } \sigma_1(\sigma^*)$

$\text{--- } b_2(\sigma^*)$

~~b_1~~
 ~~b_2~~

$\text{--- } b_1(\text{n.b.})$

~~a_1~~
 ~~a_1~~ (sp hybrids)

$\uparrow \downarrow a_1(\text{n.b.})$

~~b_2~~
 ~~a_1~~

$\uparrow \downarrow b_2(\sigma)$

Sn

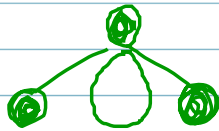
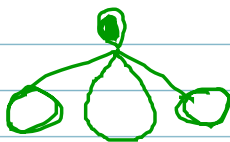
$\uparrow \downarrow a_1(\sigma)$

2Cl

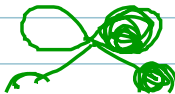
$a_1(\sigma)$

$a_1^*(\sigma^*)$

$a_1(\text{n.b.})$



b_2



$b_2(\sigma^*)$

