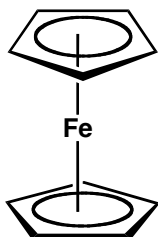


# Chem 41c Quiz 1

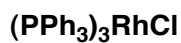
Stoltz, Spring 2006  
April 7, 2006

In the following complexes, what is the formal oxidation state of the metal, the  $d^n$  description, and the electron count? Feel free to use the periodic table in the room (no partial credit-5 points each)

1.

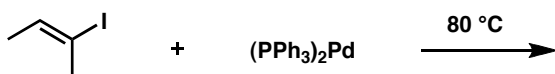


2.

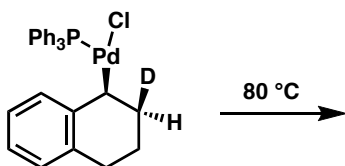


Predict the products (if any) of the following reactions: (5 points each)

3.



4.



## Bonus (5 points)

In the following complex, what is the formal oxidation state of the metal, the  $d^n$  description, and the electron count? Feel free to use the periodic table in the room (no partial credit)

