

Possíveis respostas para a Lista de Exercícios 5 - Tópico 5

1.

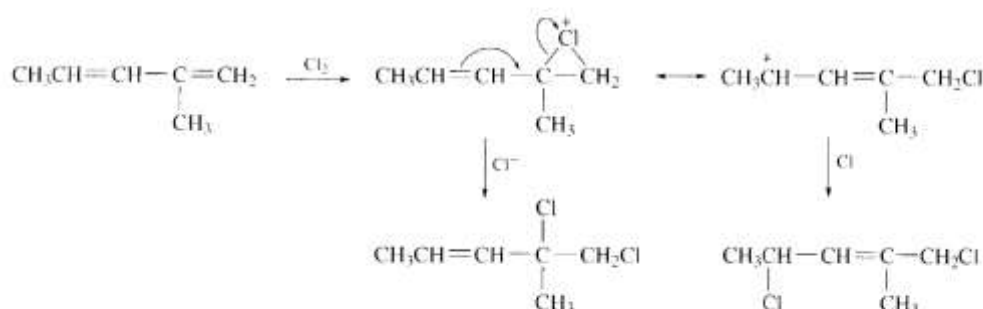


Notice that the 1,2-product is always the kinetic product.

The thermodynamic product is the product with the most highly substituted double bond.

2.

- a. The chlorine adds so that the positive charge in the resonance contributor is on a secondary allylic carbon. (If the chlorine had added to the other double bond, the positive charge would be on a primary allylic carbon.)



3.



The first compound is the kinetic product because it is the 1,2-product.

The first compound is the thermodynamic product because it is more stable because the double bond is conjugated with the benzene ring.