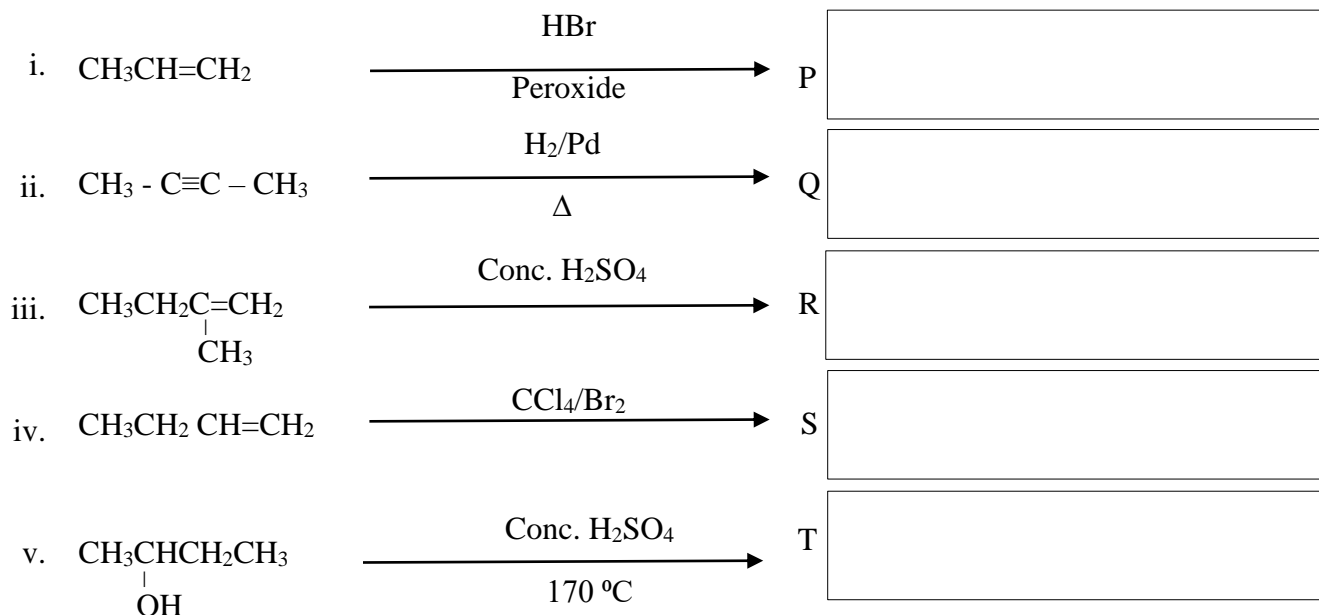


Organic Chemistry

2025



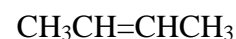
01) Draw the structure of the **major** organic products **P, Q, R, S,** and **T** of the following reactions in the relevant boxes.



02) Show how compound **B** could be synthesized in less than 5 steps, using compound **A** as the **only** organic starting material.

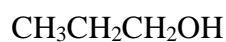


A

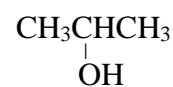


B

03) Show how compound **Y** could be synthesized in less than 3 steps, using compound **X** as the **only** organic starting material.



X



Y