



Free radical are Similar in structure to Carbocations & Stabilized by prany of the Some factors.





(D) Halogen Abstractions





3 Elimination



6 Coupling (Termination)

RUR - R-R

























$$\frac{72\%}{28\%} = \frac{\text{Rate 2" x 2H}}{\text{Rate}_{1"} \times 6\text{H}}$$

$$\frac{6 \times 72\%}{2 \times 20\%} = \frac{Rate_{2^{\circ}}}{Rate_{1^{\circ}}} = \frac{3.9}{1}$$

2° Proton 3.9 x faster replaced than 1°

For Chlorination we find Relative Rates of 1: 3.9: 5.2 $1^{\circ} < 2^{\circ} < 3^{\circ}$ 









Hammond

