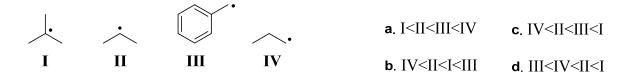
Name:

1. Circle the reagents required for the given reaction. (1 point)

2. Rank the stability of these radicals from least stable to most stable. (1 point)



3. Provide a synthesis for the following transformation. (4 points)

4. a. Provide a mechanism for the following reaction and label each step as initiation (I) or propagation (P. b. Provide one reasonable termination step (T). (4 points)

$$\begin{array}{ccc} & & & \\ &$$