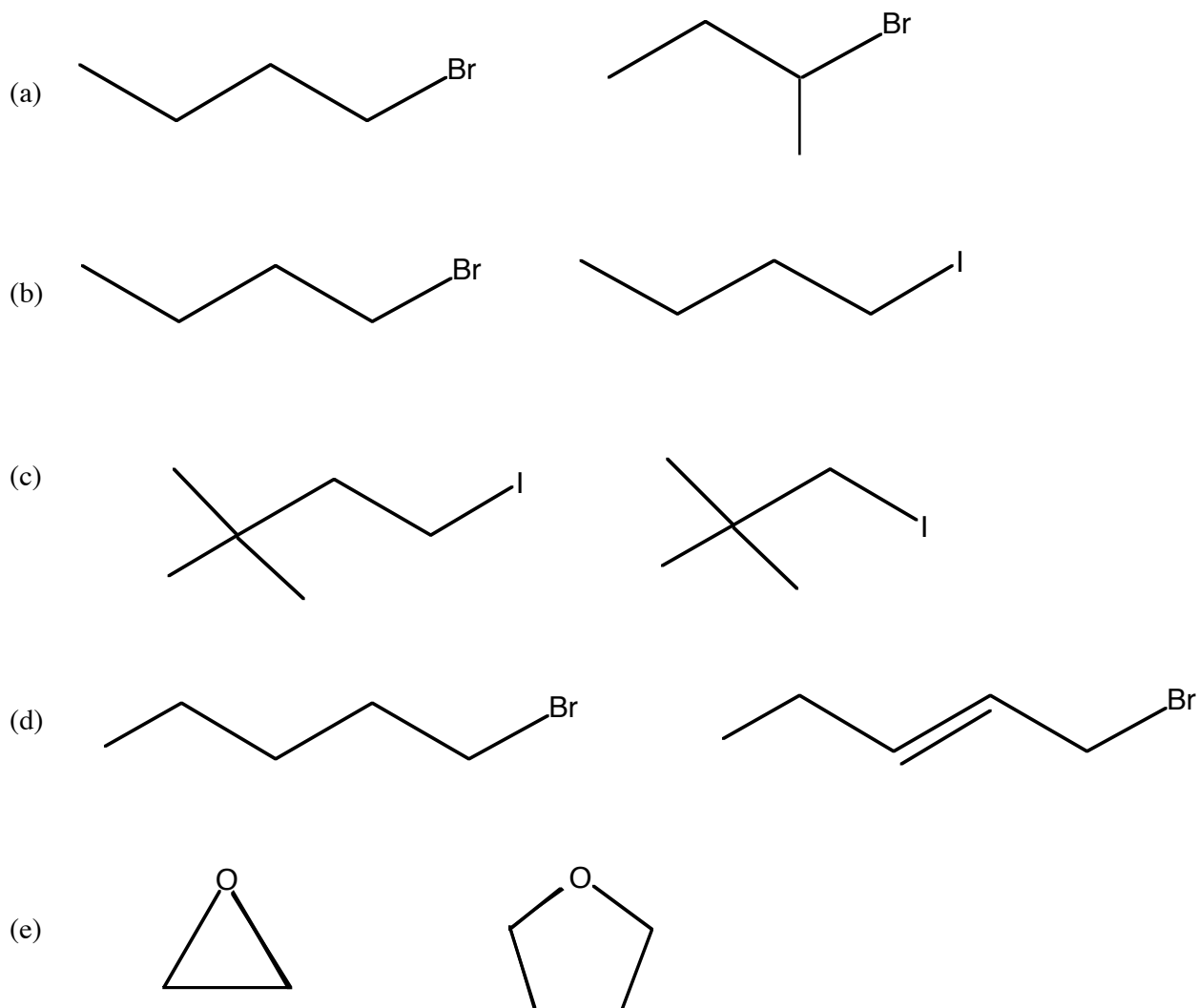


Problem 50, Chemistry 301X - 2006

In the following pairs of compounds rank the molecules in order of rate of reaction in the S_N2 process. Explain your reasoning.

In ALL "rate" questions, draw out the transition state if you have the slightest problem. The rate of a reaction depends on the difference in energy between the starting material and the transition state - the activation energy.



Careful here - draw out starting materials and transition states for both reactions on an energy diagram.