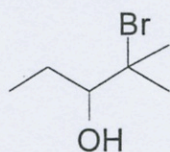


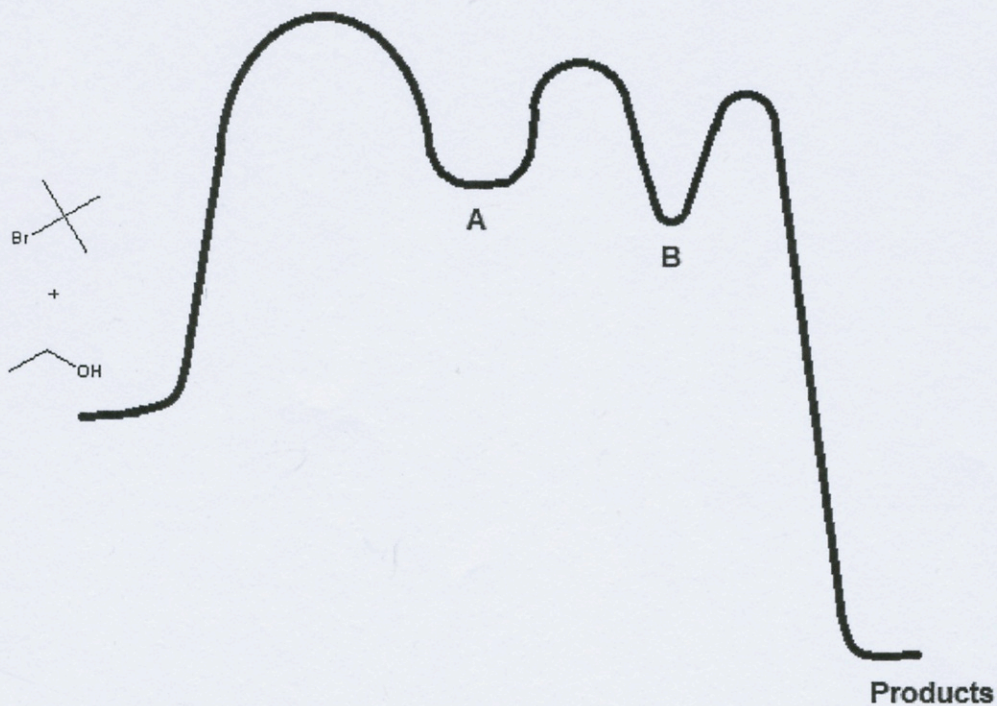
CEM 143 Quiz - *Quiz 4*

1) In the space provided draw the structure of isobutyl alcohol (3 pts.).

2) Name the following compound (3 pts.)



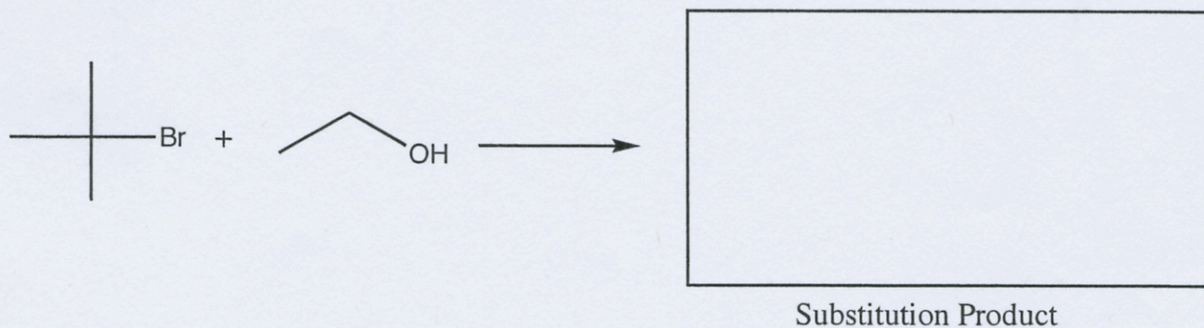
Part 2. Use the reaction energy diagram to answer the following questions



3) What type of substitution reaction could be represented by the above reaction energy diagram? (3pts.)

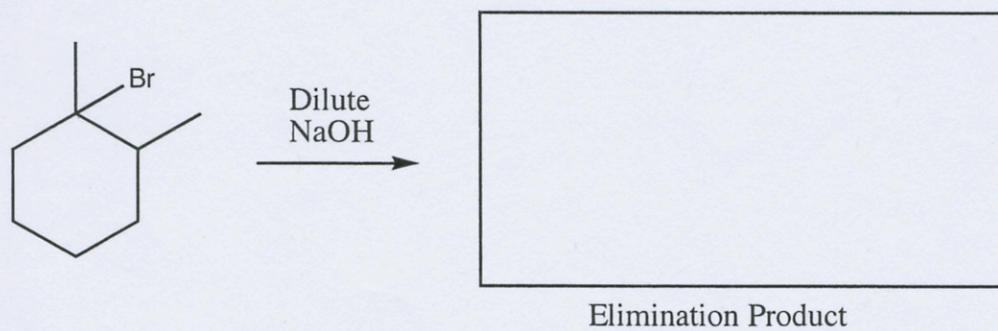
4) Which step in the above reaction energy diagram would you expect to be the rate determining step? (3 pts.)

5) Draw the structure of the product. (3pts.)



6) Draw the structure of carbocation intermediate A. (3pts.)

Part 3. Consider the following elimination reaction:



How many elimination products are possible? (4 pts.)

Complete the equation by drawing the major elimination product in the box above. (3 pts.)