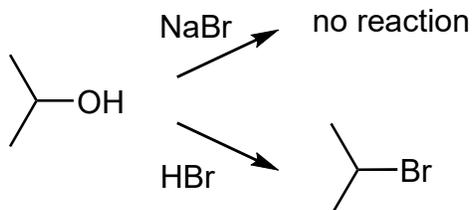
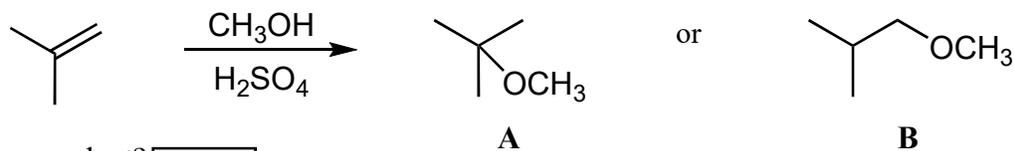


7. Short answer. **No explain = no credit.**

7A) (5 pts) Explain why an alcohol does not undergo a substitution reaction with NaBr, but does undergo a substitution reaction with HBr. Use appropriate drawings to support your answer.



7B) (5 pts) Ethers can be formed in a mechanism similar to hydration of alkenes. Which product would expect to be the major one? Explain briefly and provide appropriate drawings to support your answer.



major product?
explain:

7C) (6 pts) Shown below is a chair conformation of 1-ethyl-4-methylcyclohexane. Using the chair given below, draw the other chair conformation. Which conformer (A, B or neither) predominates at equilibrium? Explain briefly.

