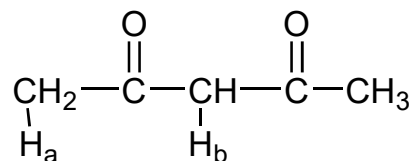
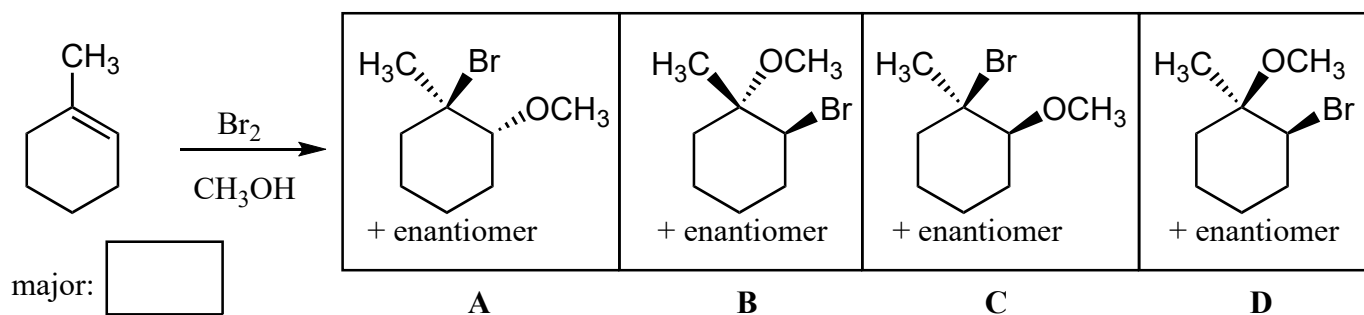


4A) (8 points) Which is the more acidic proton, H_a or H_b (or neither)? Provide an explanation and use appropriate drawings to support your answer. **No explain = no credit.**



4B) (14 pts) Select the major product expected (**A**, **B**, **C** or **D**) and provide a complete mechanism. Pay close attention to details, including lone pairs, formal charges and the use of curved arrows.



mechanism: