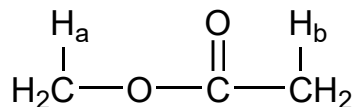
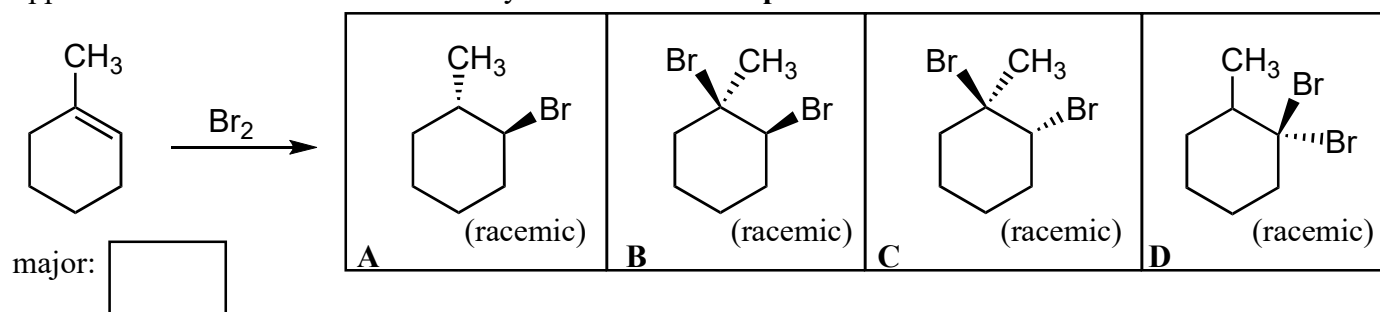


4A) (8 points) Which is the more acidic proton, H_a or H_b (or neither)? Provide an explanation and use appropriate drawings to support your answer. **No explain = no credit.**



4B) (5 pts) Select the major product expected (**A**, **B**, **C** or **D**) and **explain the stereochemistry** of the reaction. You do not have to provide a complete mechanism, but you must **provide a drawing** to support the stereochemical outcome of your answer. **No explain = no credit.**



major:
explain stereochemistry:

4C) (3 pts) Identify the configuration (e.g., *R*, *S*) for the following compound. **You must show your work to receive credit - i.e., show the priority of each group, etc.**

Configuration:

