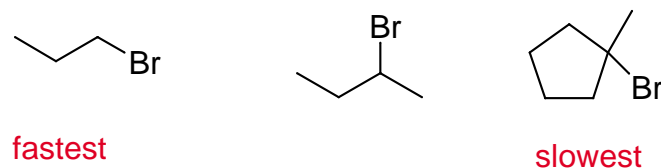
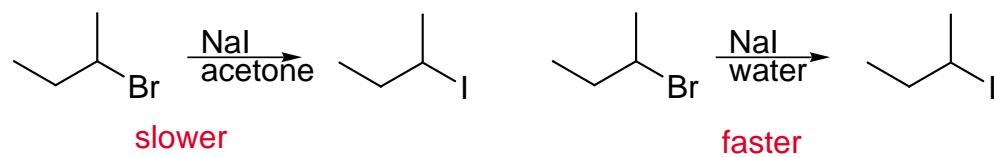


3. Give the indicated rankings for the following. Provide explanations for your rankings

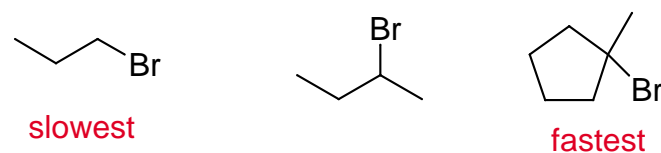
a) Fastest S_N2 reaction with NaI in acetone



e) Fastest S_N1 reaction



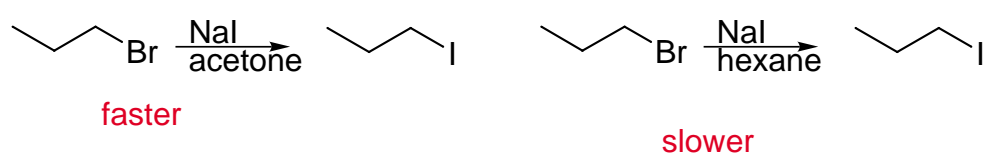
b) Fastest S_N1 reaction with NaI in water



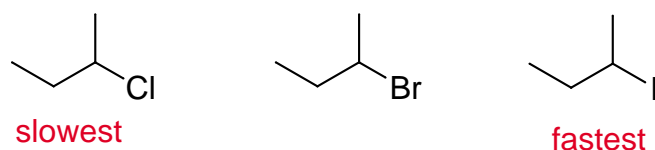
f) fastest S_N1 reaction



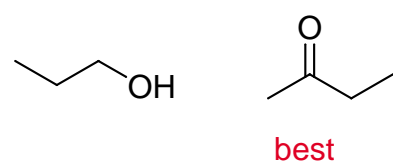
c) fastest S_N2 reaction



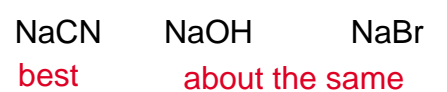
g) fastest reaction with NaSH



d) best solvent for a S_N2 reaction



h) best Nucleophile



i) best nucleophile

