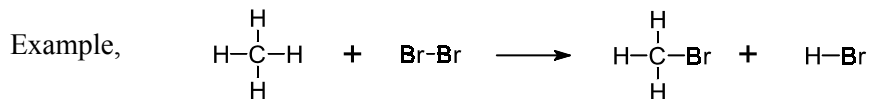
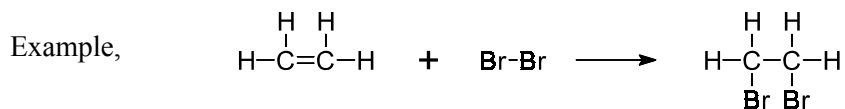


ORGANIC REACTIONS

1. Substitution - Only saturated compounds undergo substitution (**alkanes only**)

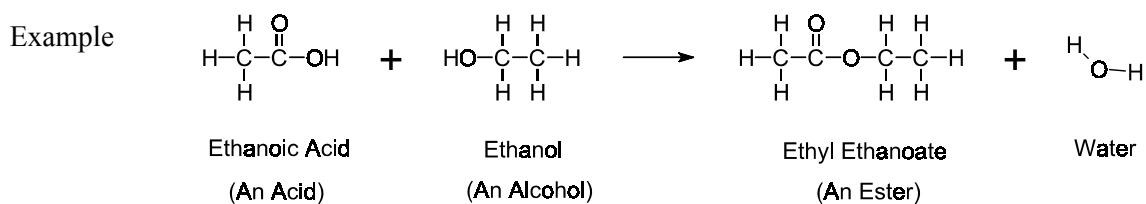


2. Addition - Only unsaturated compounds undergo addition (**alkenes and alkynes only**)

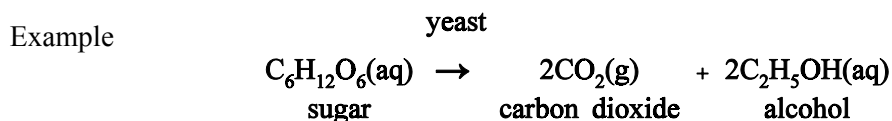


Hydrogenation: Alkene + hydrogen = Alkane ($\text{C}_2\text{H}_4 + \text{H}_2 = \text{C}_2\text{H}_6$)

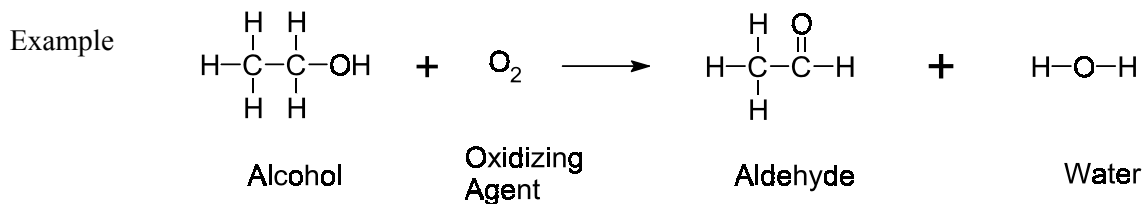
3. Esterification - The reaction between an acid and alcohol to produce an ester and water



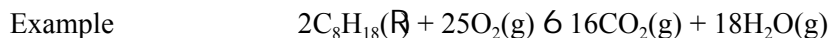
4. Fermentation - Fermentation of an alcohol gives alcohol and carbon dioxide



5. Oxidation of a primary alcohol gives an aldehyde



6. Combustion - Complete combustion always gives carbon dioxide and water



7. Dehydration of alcohols yield an ether and water

