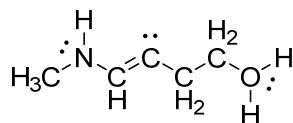
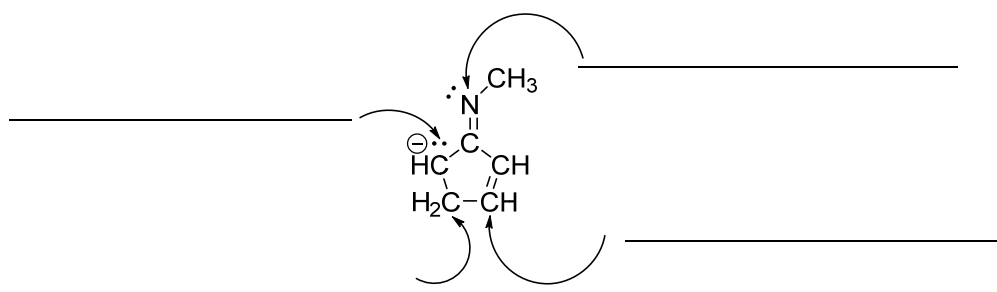


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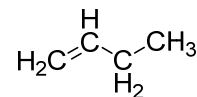
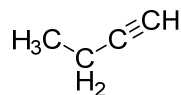
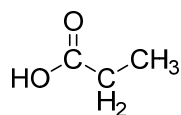
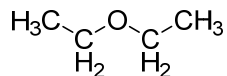
1. Assign formal charges where necessary for the following molecule. All lone pairs are already drawn. (2 points)



2. Provide the **hybridization** and **molecular** geometry for the indicated atoms. (4 points)



3. Identify the functional group in each molecule below. (2 points)



4. Draw a Lewis structure from the following bond line representation including all lone pairs. (2 points)

