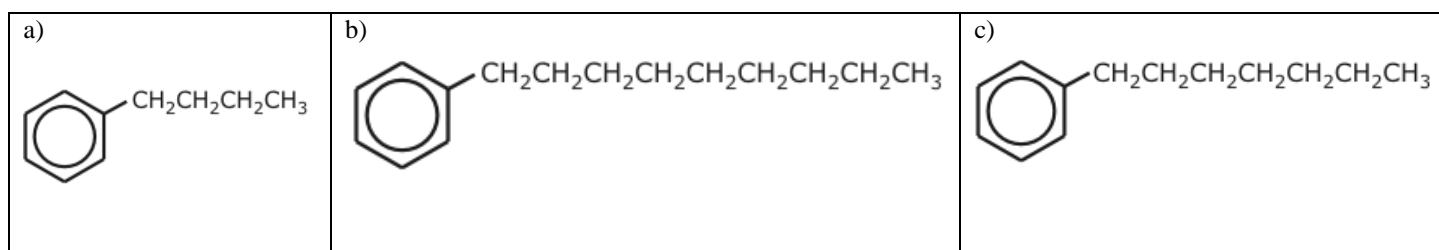
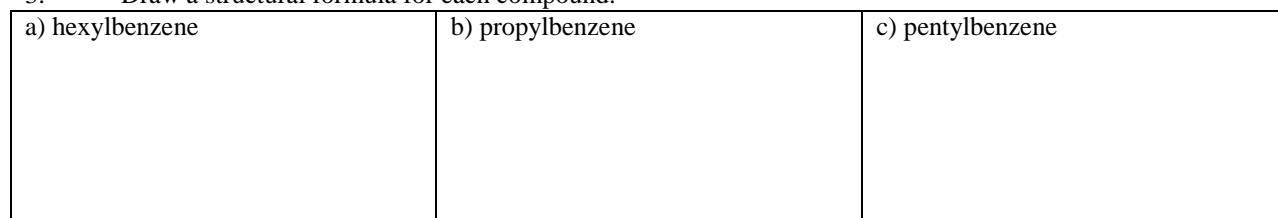


## Worksheet 7: Benzene

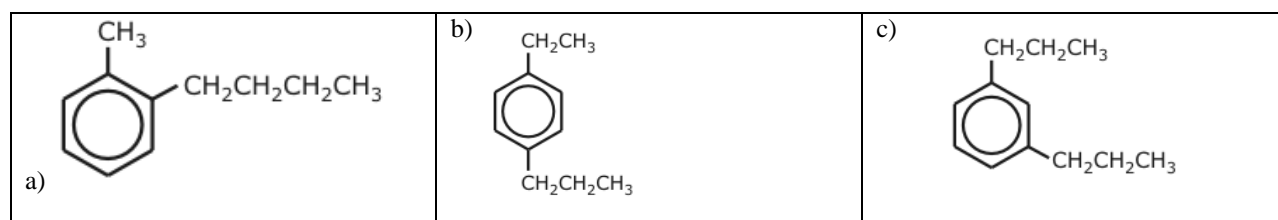
- Define each term.
  - aromatic hydrocarbon
  - delocalized electron
  - resonance
- Provide a IUPAC name for each monosubstituted benzene compounds.



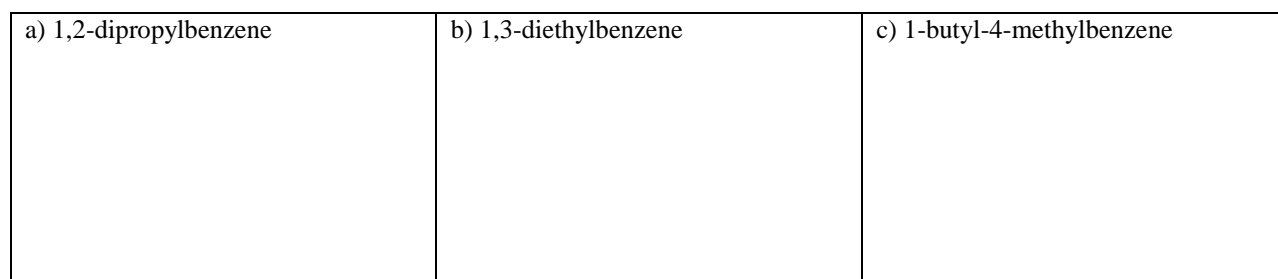
- Draw a structural formula for each compound.



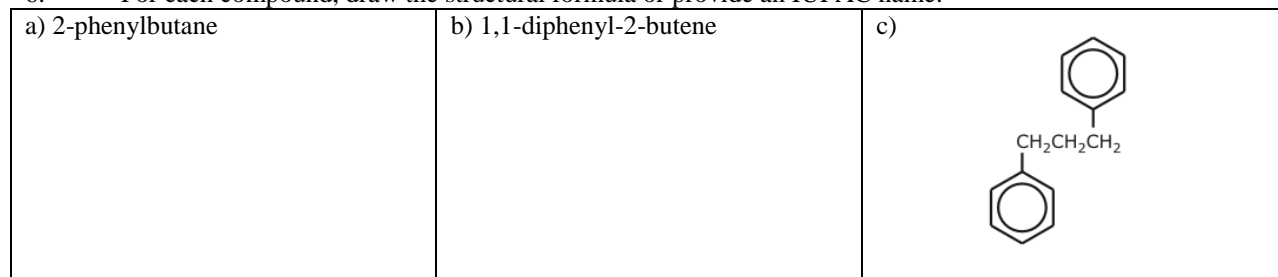
- Provide a IUPAC name for each disubstituted benzene compounds.



- Draw a structural formula for each compound.



- For each compound, draw the structural formula or provide an IUPAC name.



- Draw and name all isomers (cyclic and non-cyclic) for  $C_5H_{10}$ .