

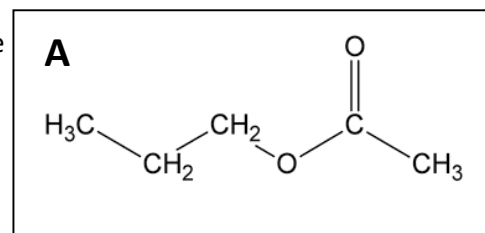
Friday Worksheet

Name:

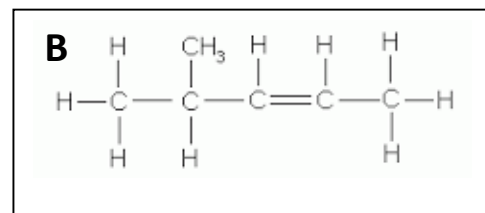
Organic worksheet 1

- 1) Give the systematic IUPAC name for the molecules shown on the right .

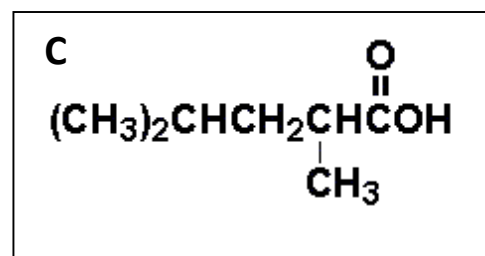
A) *Propyl ethanoate*



B) *4-methylpent-2-ene*

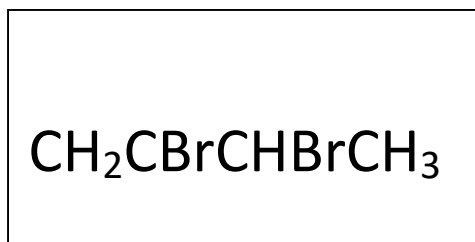
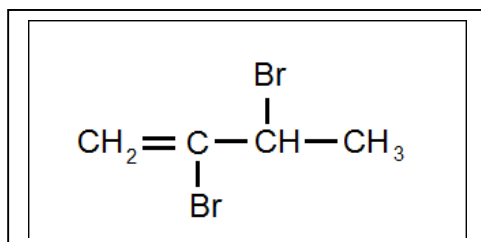


C) *2,4-dimethylpentanoic acid*

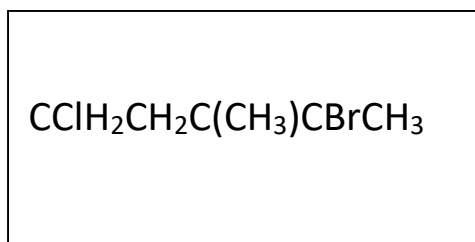
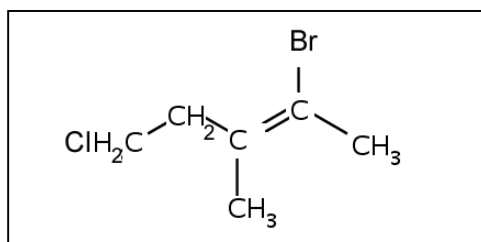


- 2) Give the structural and semi-structural formulae of the following molecules.

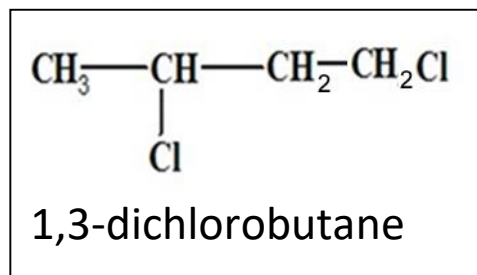
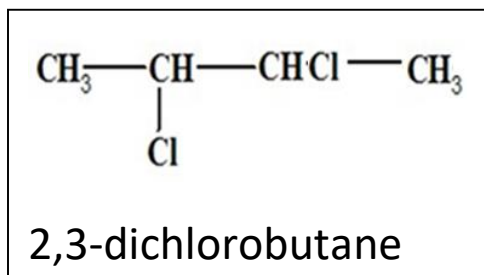
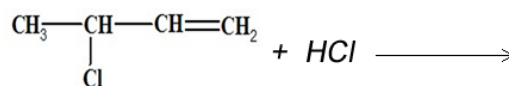
a) 2,3-dibromobut-1-ene



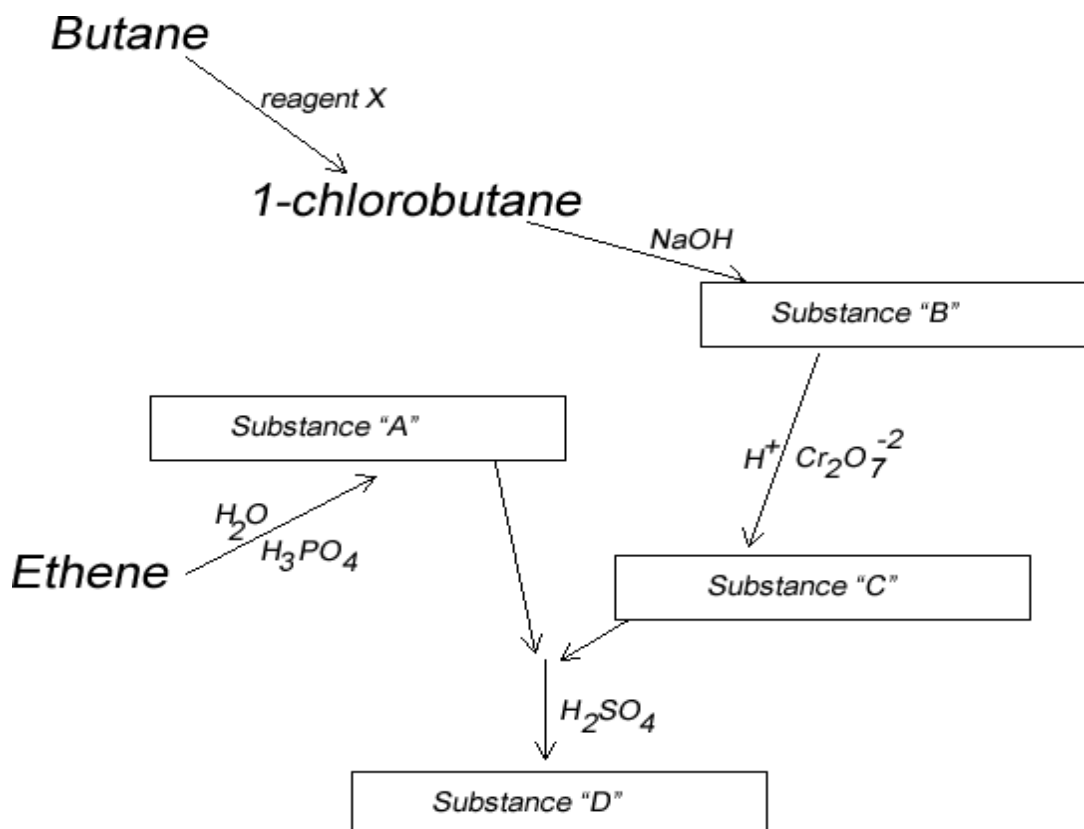
b) 2-bromo-5-chloro-3-methylpent-2-ene



- 3) What is the systematic IUPAC name of each of the possible products of the reaction shown on the right



- 4) The diagram below shows the reaction pathways for the preparation of substance "D".



Identify the following

- Reagent X → Cl₂
- Substance "A" → ethanol
- Substance "B" → butan-1-ol
- Substance "C" → Butanoic acid
- Substance "D" → ethyl butanoate
- The type of reaction that produces substance "C" from substance "B" → Oxidation
- The type of reaction that produces substance "A" from ethene → addition
- The type of reaction that produces substance "B" from 1-chlorobutane → substitution