

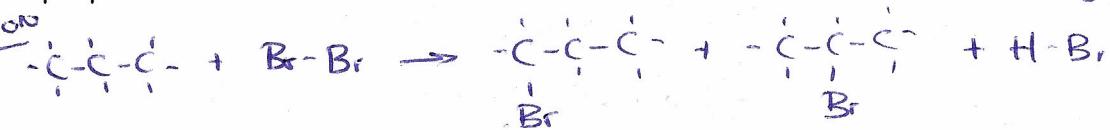
ANSWER KEY

Chemistry 122

Organic Chemistry Reactions Review

For each of the following, write a complete structural and word equation. Identify the type of reaction.

1. propane + bromine \rightarrow 1-bromopropane + 2-bromopropane + hydrogen bromide



2. benzene + chlorine \rightarrow chlorobenzene + hydrogen chloride



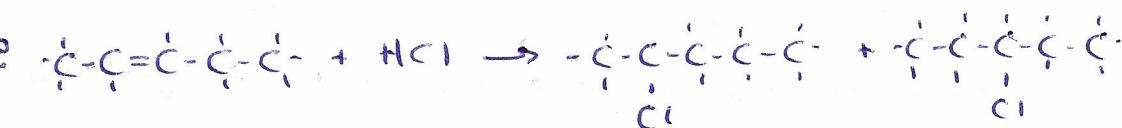
3. ethane + iodine \rightarrow iodoethane + hydrogen iodide



4. 2-butene + hydrogen \rightarrow butane



5. 2-pentene + hydrogen chloride \rightarrow 2-chloropentane + 3-chloropentane



6. 1-hexene + fluorine \rightarrow 1,2-difluorohexane



7. 4-methyl-2-hexene + water (HOH) \rightarrow 4-methyl-2-hexanol + 4-methyl-3-hexanol

