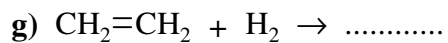
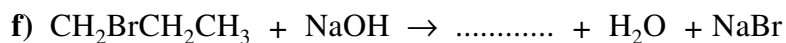
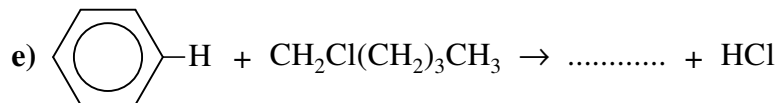


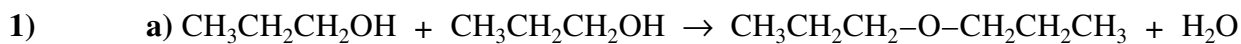
Exercises of Organic reactions

1) Fill in the blanks in the following organic equations, give names for all compounds and indicate the type of reaction:



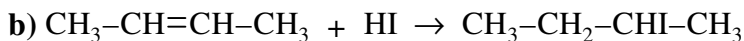
Exercises of Organic reactions

Answers:



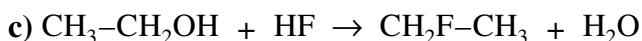
1-propanol + 1-propanol → dipropyl ether + water.

Elimination reaction.



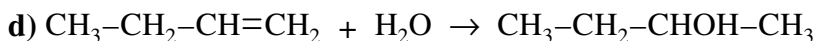
2-butene + hydrogen iodide → 2-iodobutane.

Addition reaction.



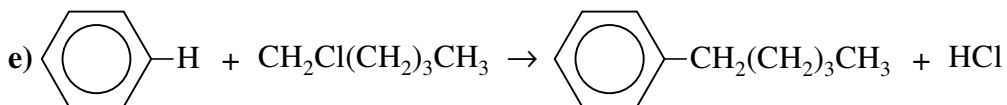
ethanol + hydrogen fluoride → fluoroethane + water.

Substitution reaction.



1-butene + water → 2-butanol.

Addition reaction.



benzene + 1-chloropentane → pentylbenzene + hydrogen chloride.

Substitution reaction (Friedel-Crafts reaction).



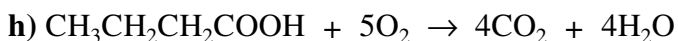
1-bromopropane + sodium hydroxide → propene + water + sodium bromide.

Elimination reaction.



ethene + hydrogen → ethane.

Addition reaction.



butanoic acid + oxygen → carbon dioxide + water.

Combustion reaction.