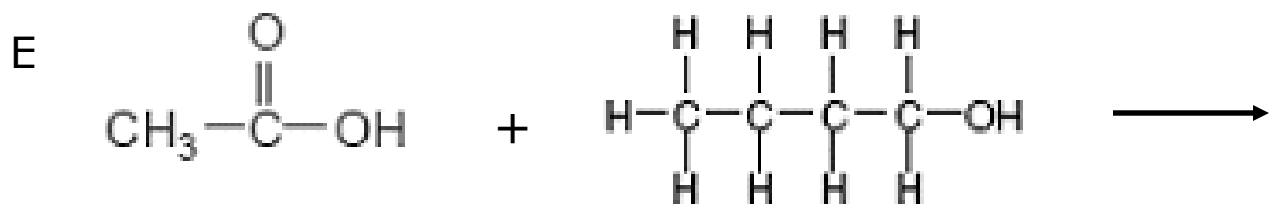
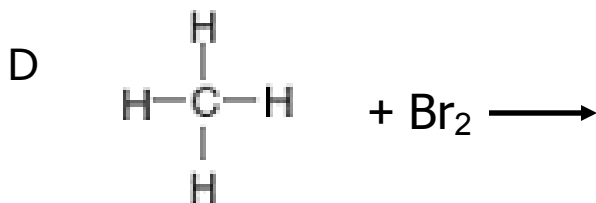
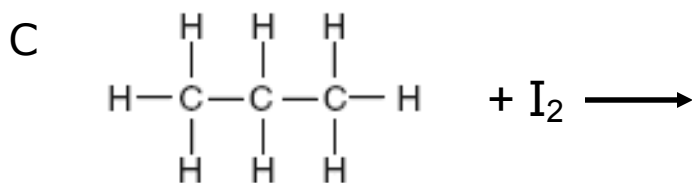
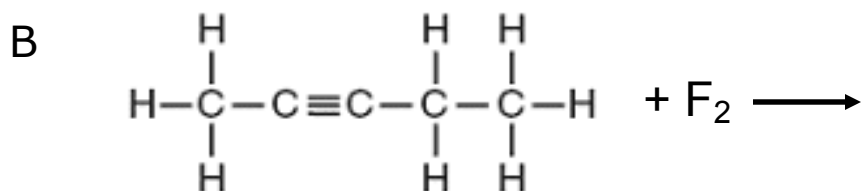
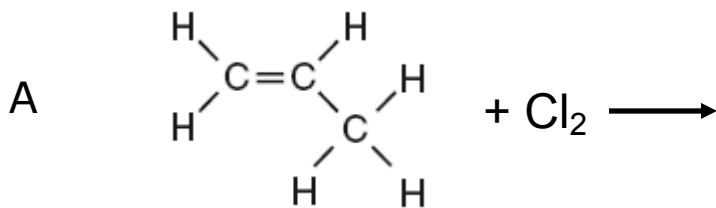
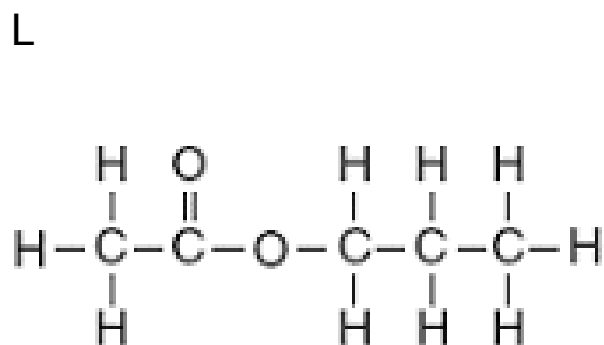
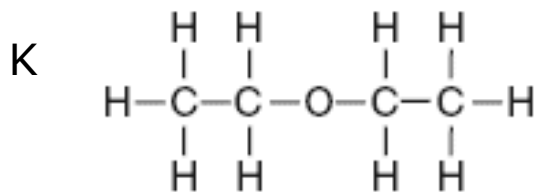
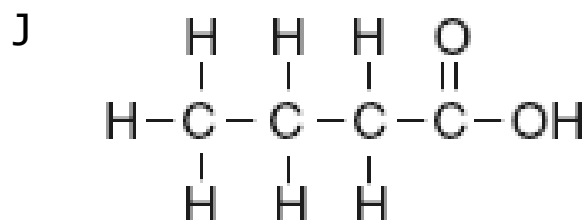
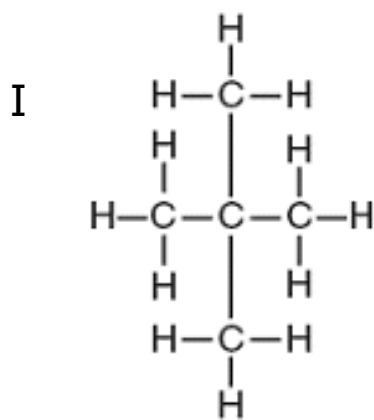
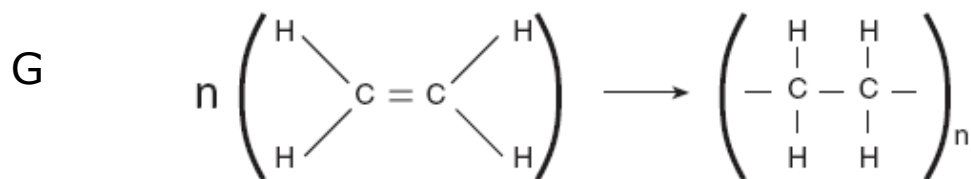
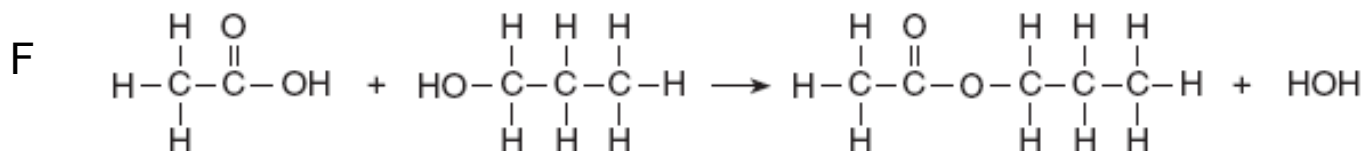
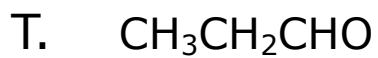
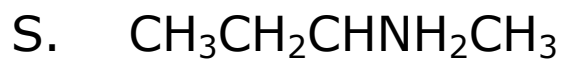
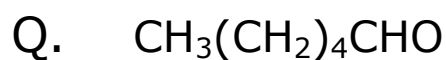
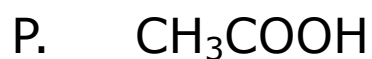
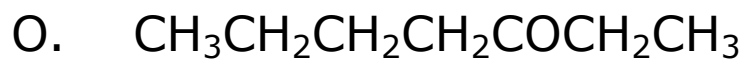
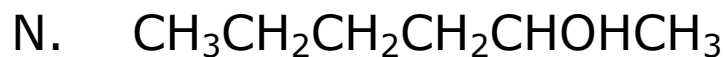
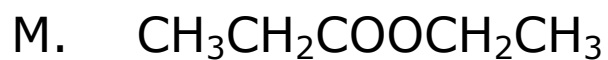


For each reaction, show the products structural formulas, name all reactants and products, and for all organic reactions state the type of reaction.





Draw Structural Formulas and Name these molecules



Answers

- A. Addition propene + chlorine yields 1,2-dichloropropane
- B. Addition 2-pentyne + fluorine yields 2,3-difluoropentene
- C. Substitution propane + iodine yields 1-iodopropane + HI (or "2")
- D. Substitution methane + bromine yields bromomethane + HBr
- E. Esterification
ethanoic acid + 1-butanol yields water + butyl ethanoate
- F. Esterification
Ethanoic acid + 1-propanol yields water + propyl ethanoate
- G. Polymerization many ethene become polyethane
- H. Fermentation aqueous sugar becomes ethanol and CO₂
- I. 2,2-dimethylpropane J. butanoic acid
- K. diethyl ether L. propyl ethanoate

M	CH ₃ CH ₂ COOCH ₂ CH ₃	ETHYL PROPANOATE
N	CH ₃ CH ₂ CH ₂ CH ₂ CHOHCH ₃	2-HEXANOL
O	CH ₃ CH ₂ CH ₂ CH ₂ COCH ₂ CH ₃	3-HEPTANONE
P	CH ₃ COOH	ETHANOIC ACID
Q	CH ₃ (CH ₂) ₄ CHO	HEXANAL
R	CH ₃ CH ₂ CONH ₂	PROPANAMIDE
S	CH ₃ CH ₂ CHNH ₂ CH ₃	2-BUTANAMINE
T	CH ₃ CH ₂ CHO	PROPANAL