





Marks • Give the name of the starting material where indicated and the constitutional formula 5 of the major organic product formed in each of the following reactions.  $\underline{Na_2Cr_2O_7} / H^{\textcircled{\oplus}}$ СООН OH Name: 3-methyl-1-butanol conc. KOH, ethanol ∠Br heat Name: 1-bromobutane Θ Br  $N(CH_3)_3$  $\oplus$ ∠Br N





ANSWER CONTINUES ON THE NEXT PAGE

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