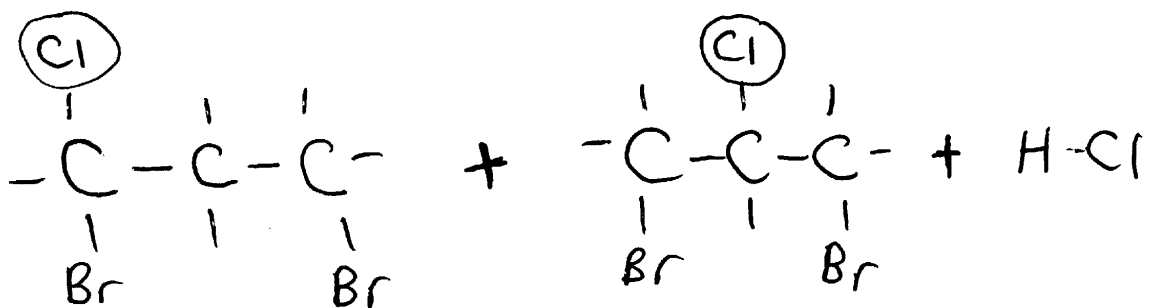
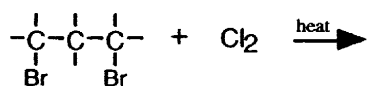


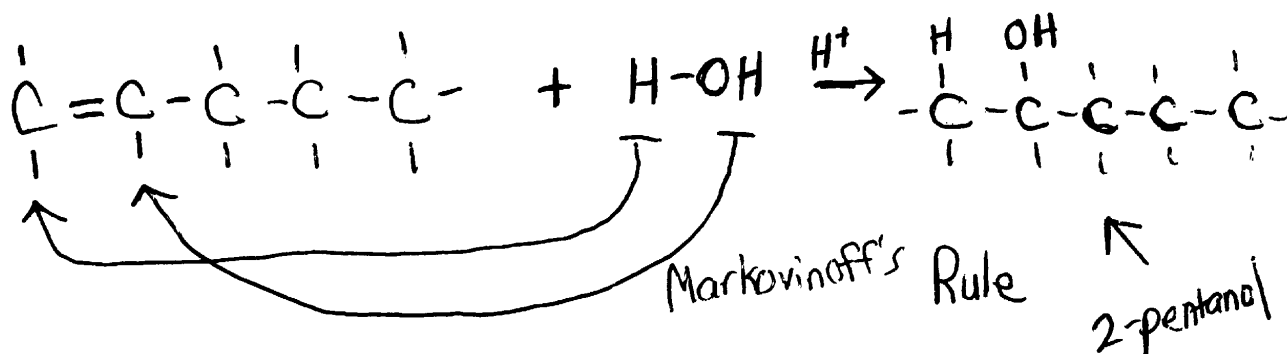
5. Write all products, then determine the % formation of each isomer: (alkane halogenation rxn)



$\boxed{4/6}$

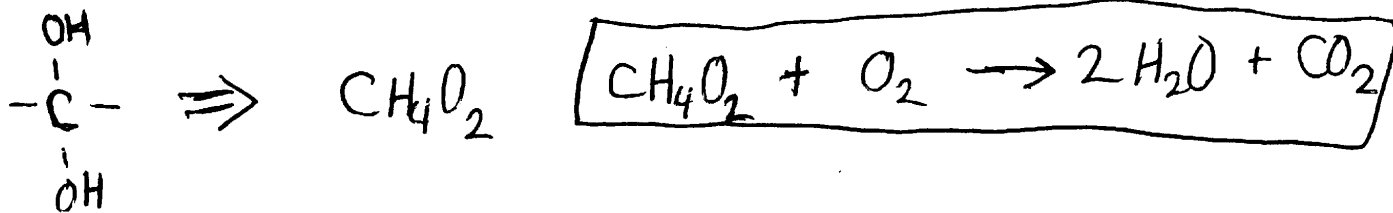
$\boxed{2/6}$

6. Write the equation for the hydration of 1-pentene. Name the product.

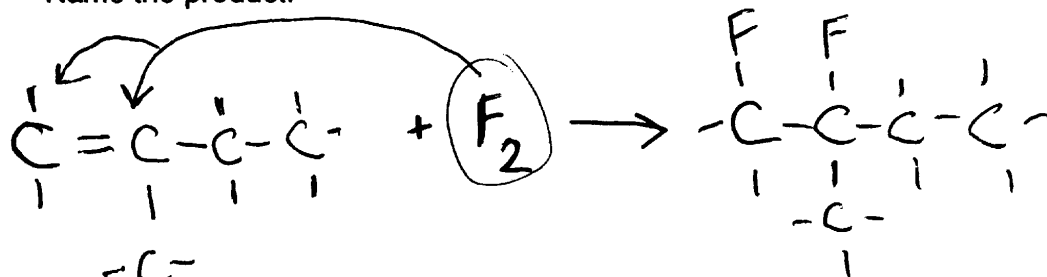


7. Write the balanced equation for the complete combustion of methandiol:

(hint- 1st, draw the structural formula. 2nd, determine the molecular formula. 3rd, write the chemical reaction.)



8. Write the equation for the halogenation of 2-methyl-1-butene with fluorine gas. Name the product.



1,2-difluoro-2-methylbutane