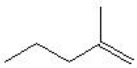
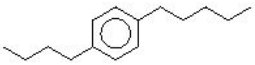
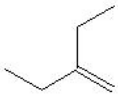
Complete the following reactions. Circle the most favored products.

1.  + Cl_2 →

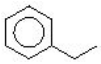
2. + Cl_2 →

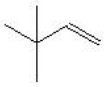
3.  $\xrightarrow{[o]}$

4.  + H_2 (g) →

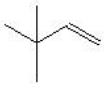
5. + H_2O →

6. + Cl_2 →

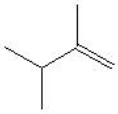
7.  + Cl_2 →

8.  + $KMnO_4 + H_2O$ →

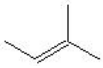
9. + Cl_2 →

10.  + H_2O →

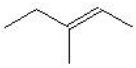
11. + H_2O →

12.  + Cl_2 →

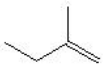
13. + H_2 (g) →

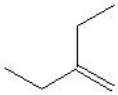
14.  + H_2 (g) →

15. + HNO_3 →

16.  + H_2 (g) →

17. + H_2O →

18.  + H_2 (g) →

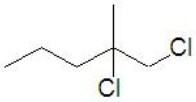
19.  + HCl →

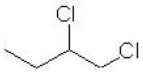
20. + H_2O →

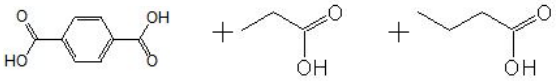
21. + →

22. + HCl →

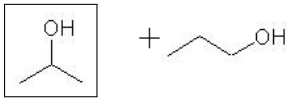
23. + →

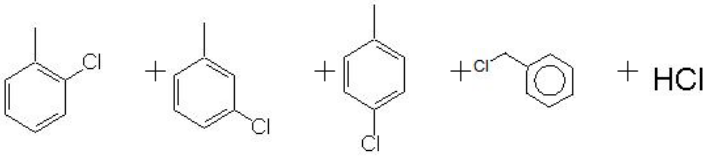
Question 1: 

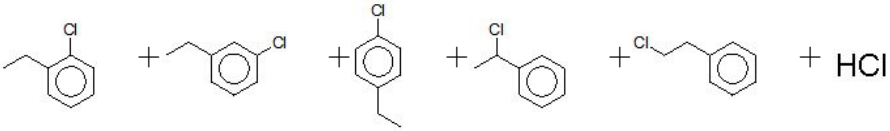
Question 2: 

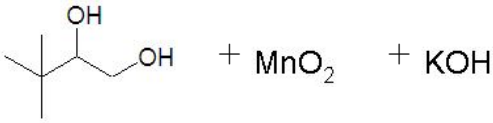
Question 3: 

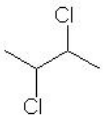
Question 4:

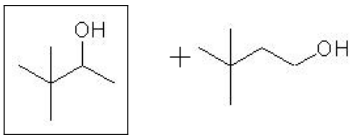
Question 5: 

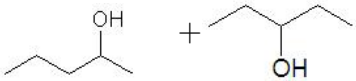
Question 6: 

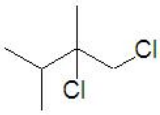
Question 7: 

Question 8: 

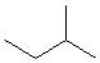
Question 9: 

Question 10: 

Question 11: 

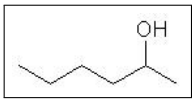
Question 12: 

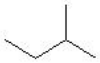
Question 13:

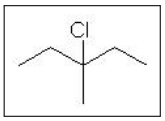
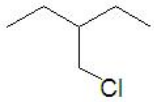
Question 14: 

Question 15: + H_2O

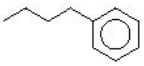
Question 16:

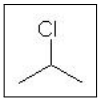
Question 17:  +

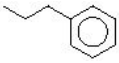
Question 18: 

Question 19:  + 

Question 20:

Question 21:  + HCl

Question 22:  +

Question 23:  + HCl