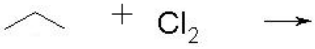
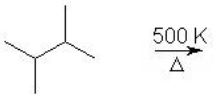
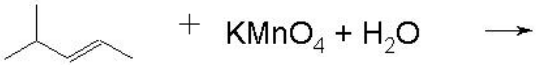
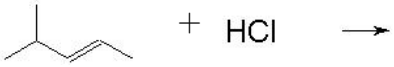
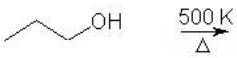
Complete the following reactions. Circle the most favored products.

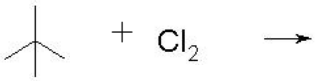
1. 

2. 

3. 

4. 

5. 

6. 

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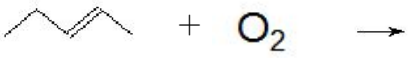
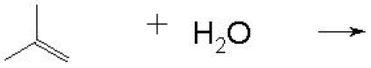
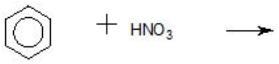
8. 

9. 

10. 

11. 

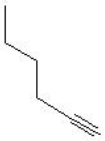
12. 

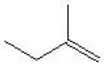
13.  + O_2 →

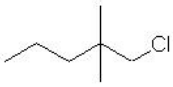
14.  + O_2 →

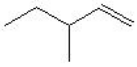
15.  + HCl →

16.  + Cl_2 →

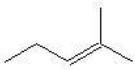
17.  + O_2 →

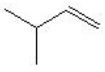
18.  + H_2 (g) →

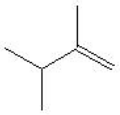
19.  $\xrightarrow[\Delta]{500\,K}$

20.  + HCl →

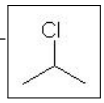
21.  + H_2 (g) →

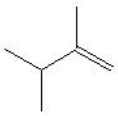
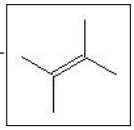
22.  + $KMnO_4 + H_2O$ →

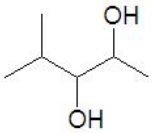
23.  + $KMnO_4 + H_2O$ →

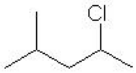
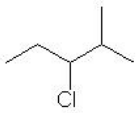
24.  + H_2O →

25.  + O_2 $\longrightarrow$

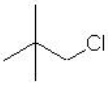
Question 1: HCl +  + 

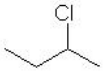
Question 2:  +  + H_2 (g)

Question 3:  + MnO_2 + KOH

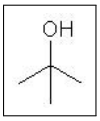
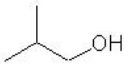
Question 4:  + 

Question 5:  + H_2O

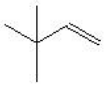
Question 6: HCl + 

Question 7: 

Question 8: ___ CO_2 (g) + ___ H_2O (g) + Heat Balance: (2,15,10,10)

Question 9:  + 

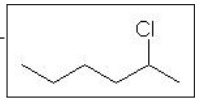
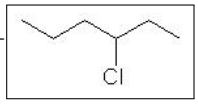
Question 10: ___ CO_2 (g) + ___ H_2O (g) + Heat Balance: (1,9,6,6)

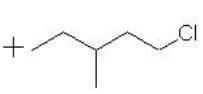
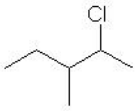
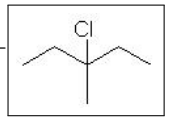
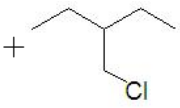
Question 11:  + H_2 (g)

Question 12:  + H_2O

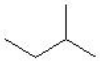
Question 13: ___ CO_2 (g) + ___ H_2O (g) + Heat Balance: (2,11,8,6)

Question 14: ___ CO_2 (g) + ___ H_2O (g) + Heat Balance: (1,4,3,2)

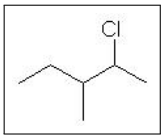
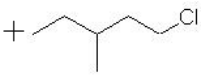
Question 15: H_2 (g) +  +  + 

Question 16: HCl +  +  +  + 

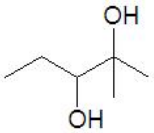
Question 17: ___ CO_2 (g) + ___ H_2O (g) + Heat Balance: (2,17,12,10)

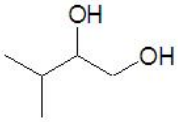
Question 18: 

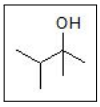
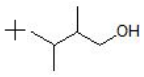
Question 19: No Reaction

Question 20:  + 

Question 21: 

Question 22:  + MnO_2 + KOH

Question 23:  + MnO_2 + KOH

Question 24:  + 

Question 25: ___ CO_2 (g) + ___ H_2O (g) + Heat Balance: (2,21,14,14)