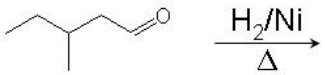
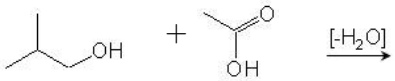
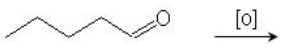
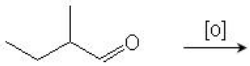
Complete the following reactions. Circle the most favored products.

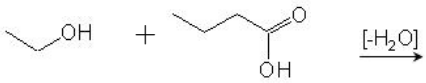
1. 

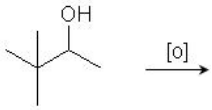
2. 

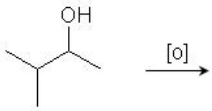
3. 

4. CH_4 + H_2O →

5. 

6. 

7. 

8. 

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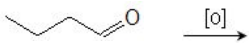
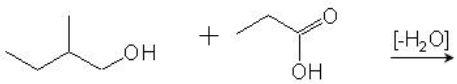
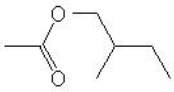
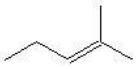
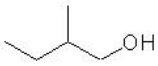
10. 

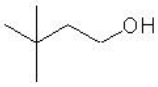
11. 

12.  + H_2O $\xrightarrow{[H^+]}$

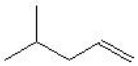
13.  + H_2O $\longrightarrow$

14.  + $\xrightarrow{[-H_2O]}$

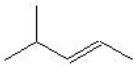
15. + HCl $\longrightarrow$

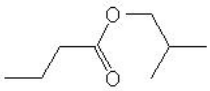
16.  $\xrightarrow{[o]}$

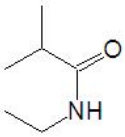
17. + HCl $\longrightarrow$

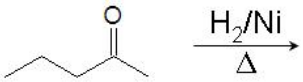
18.  + H_2O $\longrightarrow$

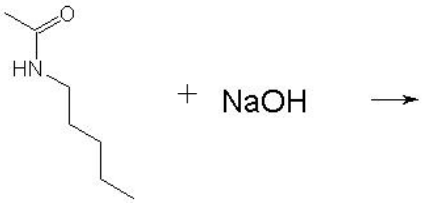
19. + $\xrightarrow{[-H_2O]}$

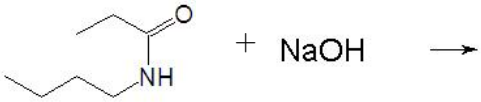
20.  + H_2 (g) $\longrightarrow$

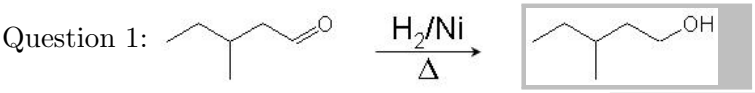
21.  + H_2O $\xrightarrow{[H^+]}$

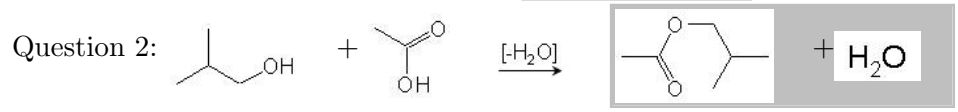
22.  + HCl + H_2O $\longrightarrow$

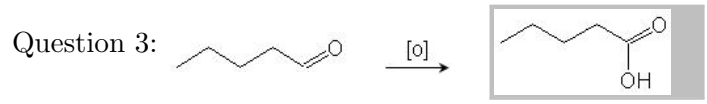
23. 

24. 

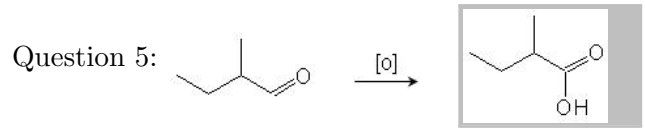
25. 

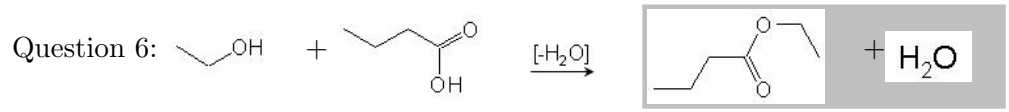
Question 1: 

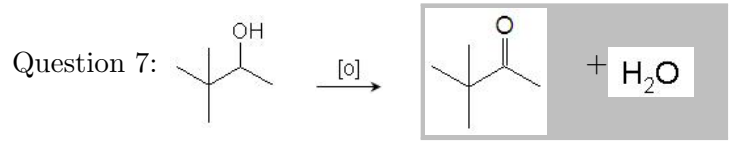
Question 2: 

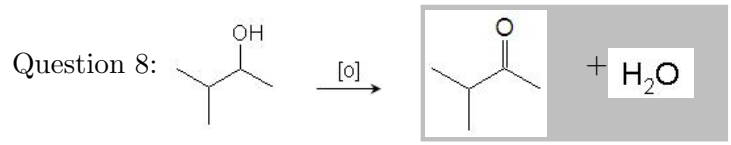
Question 3: 

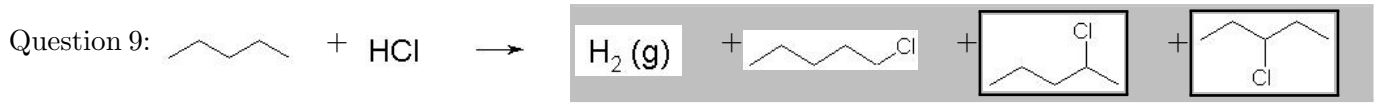
Question 4:

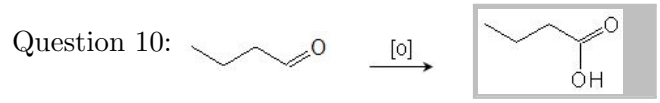
Question 5: 

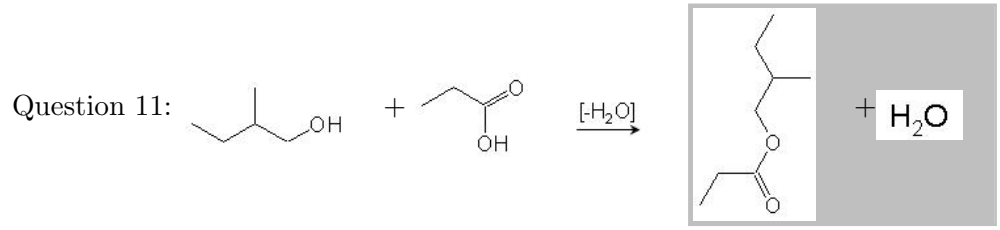
Question 6: 

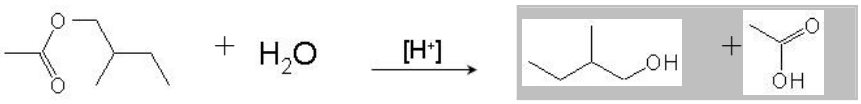
Question 7: 

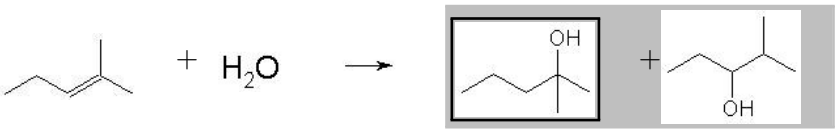
Question 8: 

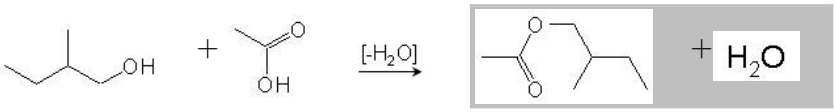
Question 9: 

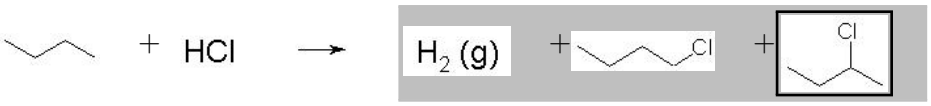
Question 10: 

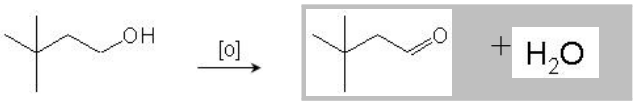
Question 11: 

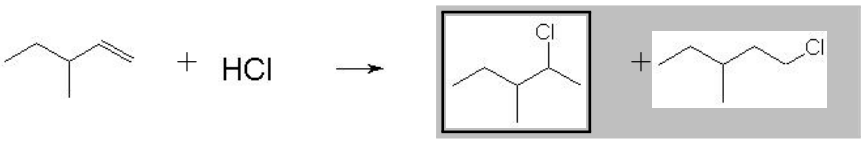
Question 12: 

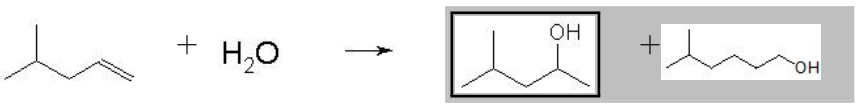
Question 13: 

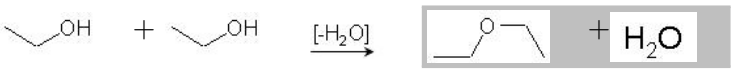
Question 14: 

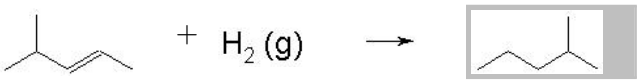
Question 15: 

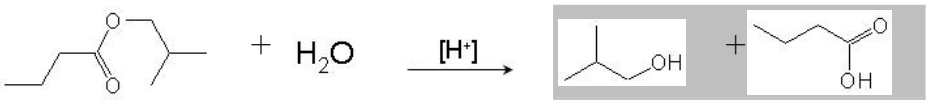
Question 16: 

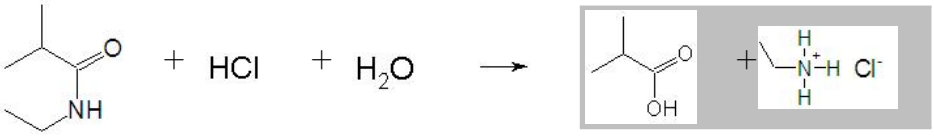
Question 17: 

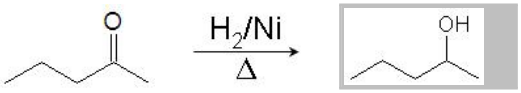
Question 18: 

Question 19: 

Question 20: 

Question 21: 

Question 22: 

Question 23: 

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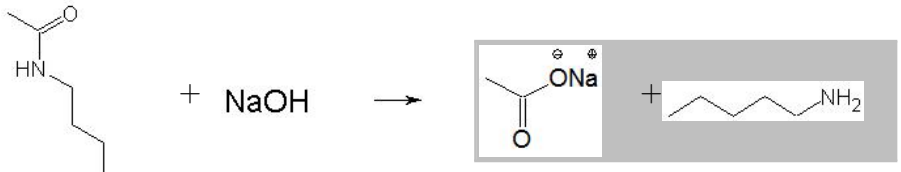
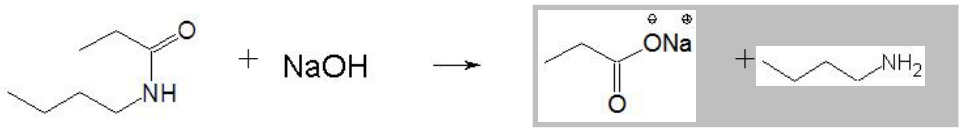
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