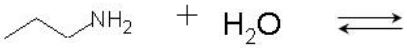
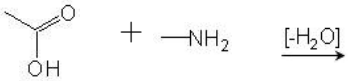
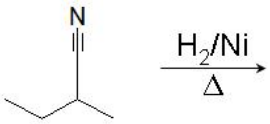
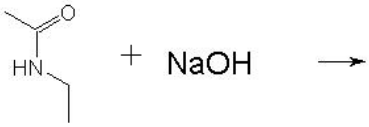
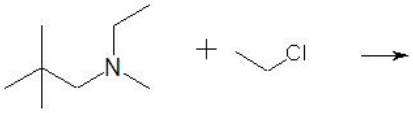
Complete the following reactions. Circle the most favored products.

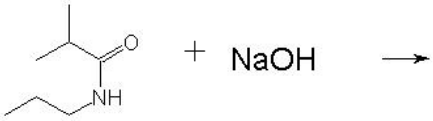
1. 

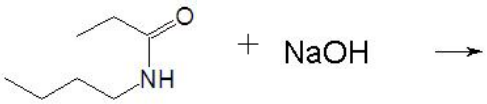
2. 

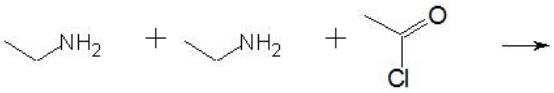
3. 

4. 

5. 

6. 

7. 

8. 

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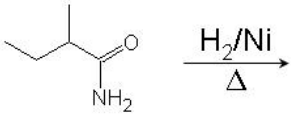
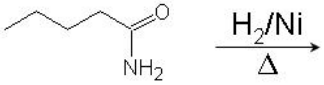
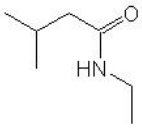
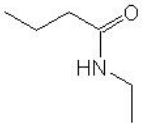
10. 

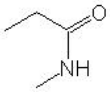
11. 

12. 

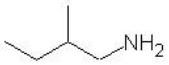
+ NaOH →

13. 

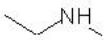
+ NaOH →

14. 

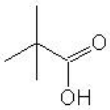
+ HCl + H_2O →

15. 

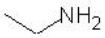
+ H_2O ⇌

16. 

+ HCl →

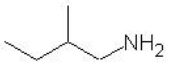
17. 

+ NH_3 $\xrightarrow{[-H_2O]}$

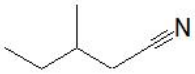
18. 

+

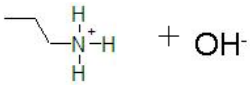
→

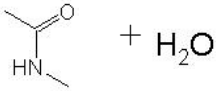
19. 

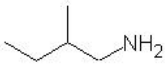
+ HCl →

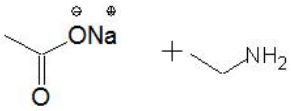
20. 

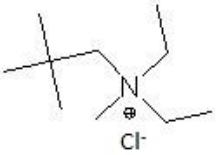
$\xrightarrow[\Delta]{H_2/Ni}$

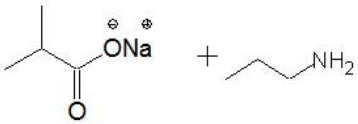
Question 1: 

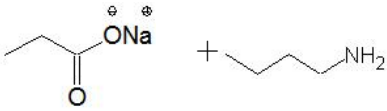
Question 2: 

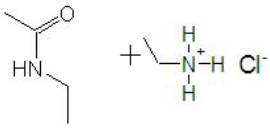
Question 3: 

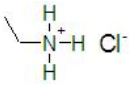
Question 4: 

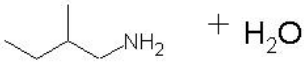
Question 5: 

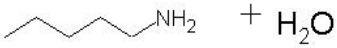
Question 6: 

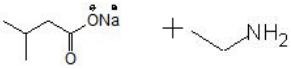
Question 7: 

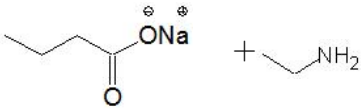
Question 8: 

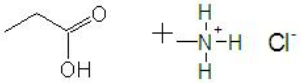
Question 9: 

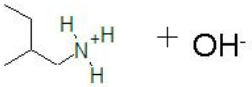
Question 10: 

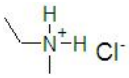
Question 11: 

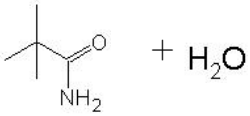
Question 12: 

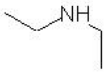
Question 13: 

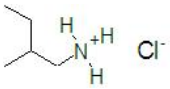
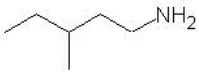
Question 14: 

Question 15: 

Question 16: 

Question 17: 

Question 18: 

Question 19: 

Question 20: