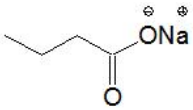
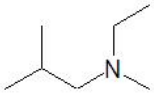
Complete the following reactions. Circle the most favored products.

1. 

+ HCl →

2.

$\xrightarrow{[o]}$

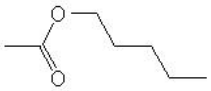
3. 

+

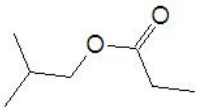
→

4.

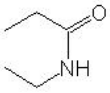
+ HCl →

5. 

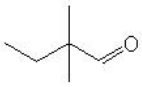
+ NaOH →

6. 

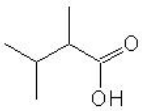
+ H_2O $\xrightarrow{[H^+]}$

7. 

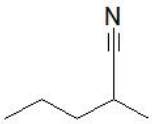
+ NaOH →

8. 

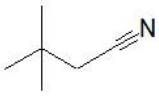
$\xrightarrow{[o]}$

9. 

+ $SOCl_2$ →

10. 

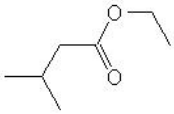
+ H_2O + NaOH →

11. 

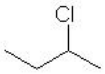
+ H_2O + NaOH →

12.

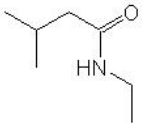
+ H_2O + NaOH →

13. 

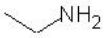
+ H_2O $\xrightarrow{[H^+]}$

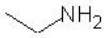
14. 

+ NH_3 →

15. 

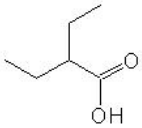
+ NaOH →

16. 

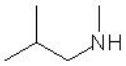
+ 

+

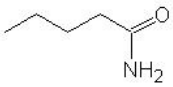
→

17. 

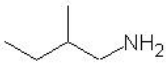
+ $SOCl_2$ →

18. 

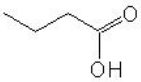
+ –Cl →

19. 

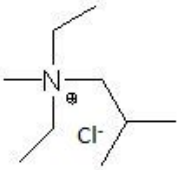
$\xrightarrow[\Delta]{H_2/Ni}$

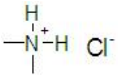
20. 

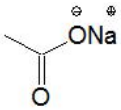
+ HCl →

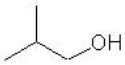
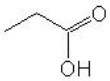
Question 1:  + NaCl

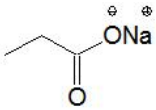
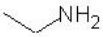
Question 2:

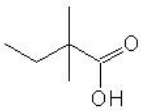
Question 3: 

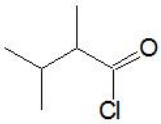
Question 4: 

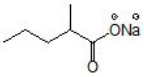
Question 5: + 

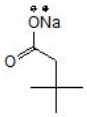
Question 6:  + 

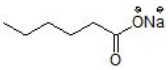
Question 7:  + 

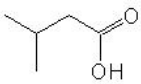
Question 8: 

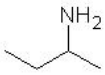
Question 9:  + HCl + SO_2

Question 10:  + $NH_{3(aq)}$

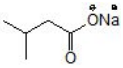
Question 11:  + $NH_{3(aq)}$

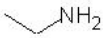
Question 12:  + $NH_{3(aq)}$

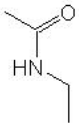
Question 13: + 

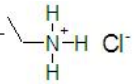
Question 14: 

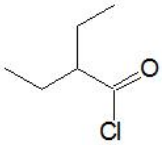
+ HCl

Question 15: 

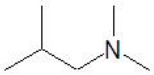
+ 

Question 16: 

+ 

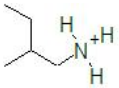
Question 17: 

+ HCl + SO_2

Question 18: 

+ HCl

Question 19:

+ H_2O

Question 20: