Complete the following reactions. Circle the most favored products.

<sup>1.</sup> 
$$^{N}$$
 + 2 H<sub>2</sub>O + HCl  $\rightarrow$ 

5. 
$$+ H_2O$$
 [H+]

6. 
$$\mathring{\text{ona}}$$
 + HCI  $\longrightarrow$ 

$$9.$$
  $\longrightarrow$  + NaOH  $\longrightarrow$ 

14. 
$$OH$$
  $OH$   $OH$   $IH_2OI$ 

16. 
$$\bigcirc$$
OH +  $\bigcirc$ OH  $[-H_2O]$ 

19. 
$$^{N}$$
 + 2 H<sub>2</sub>O + HCl  $\rightarrow$ 

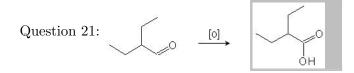
20. 
$$\longrightarrow$$
  $\stackrel{\circ \ddot{\mathsf{N}} \mathsf{a}}{\longrightarrow}$  + HCI  $\longrightarrow$ 

$$21. \qquad \qquad \boxed{ [o]}$$

23. 
$$+ H_2O + NaOH \rightarrow$$

24. 
$$+ H_2O + NaOH \rightarrow$$

25. 
$$+ H_2O$$
 [H\*]



Question 23: 
$$+ H_2O + NaOH \rightarrow + NH_{3(aq)}$$

Question 24: 
$$+ H_2O + NaOH \rightarrow - NaOH \rightarrow NH_{3(aq)}$$