Complete the following reactions. Circle the most favored products.

1. 
$$+ H_2O + NaOH \rightarrow$$

$$^{2.}$$
  $^{\text{N}}$   $^{+}$   $\text{H}_{2}\text{O}$   $^{+}$  NaOH  $\longrightarrow$ 

4. 
$$H_2/Ni$$
  $\Delta$ 

5. 
$$\begin{array}{c|c} & & & \\ & \parallel & & \\ & N & \end{array}$$

6. 
$$\longrightarrow$$
 N  $\xrightarrow{\text{H}_2/\text{Ni}}$ 

8. 
$$NH_2$$
 + HCI  $\rightarrow$ 

10. 
$$+$$
  $OH$   $OH$   $OH$   $OH$ 

11. 
$$\uparrow \downarrow 0$$
 + NH<sub>3</sub>  $[H_2O]$ 

13. 
$$\longrightarrow$$
 + NaOH  $\longrightarrow$ 

$$16.$$
  $+$  NaOH  $\rightarrow$ 

20. 
$$\begin{array}{c|c} & & & \\ & & & \\ & & \Delta \end{array}$$

21. 
$$\mathring{\text{onå}}$$
 + HCI  $\longrightarrow$ 

22. 
$$NH_2$$
 + HCI  $\longrightarrow$ 

23. 
$$+$$
 HCI  $+$  H<sub>2</sub>O  $\rightarrow$ 

24. 
$$-N$$
  $\xrightarrow{H_2/Ni}$   $\xrightarrow{\Delta}$ 

<sup>25.</sup> 
$$^{\text{N}}$$
 + 2 H<sub>2</sub>O + HCl  $\rightarrow$ 

Question 1: 
$$+ H_2O + NaOH \rightarrow \begin{array}{c} & + NH_3(aq) \\ & & + N$$

Question 14: 
$$H_2/Ni$$
 $\Delta$ 
 $NH_2$   $H_2O$ 

Question 16: 
$$+ \text{NaOH} \rightarrow 0$$

Question 19: 
$$NH_2 + -CI \rightarrow NH + HCI$$

Question 20: 
$$H_2/Ni$$
  $\Delta$   $NH_2$ 

Question 22: 
$$\rightarrow$$
 HCI  $\rightarrow$   $\stackrel{\text{H}}{\rightarrow}$  HCI

Question 24: 
$$-\sqrt{\begin{array}{c} H_2/Ni \\ \Delta \end{array}}$$
  $-\sqrt{\begin{array}{c} + H_2O \end{array}}$