Complete the following reactions. Circle the most favored products.

1.
$$+ HCI + H_2O \rightarrow$$

2.
$$\xrightarrow{\text{NH}} \xrightarrow{\text{H}_2/\text{Ni}} \xrightarrow{\Delta}$$

3.
$$+ HCI + H_2O \rightarrow$$

4.
$$+ HCI + H_2O \rightarrow$$

5. HO
$$+$$
 NH $\underline{[H_2O]}$

$$^{6.}$$
 $^{\text{NH}_2}$ $^{+}$ H_2O \Longrightarrow

8.
$$\begin{array}{c|c} & & & \\ & \parallel & & \\ & N & \end{array}$$

9.
$$\longrightarrow$$
 + H_2O [H+]

10.
$$^{\text{NH}_2}$$
 + HCI \longrightarrow

12.
$$\downarrow$$
 \rightarrow \rightarrow

13.
$$\begin{picture}(100,0)(0,0) \put(0,0){\line(0,0){13}} \put(0,0){\line(0,0){1$$

15.
$$N + 2 H_2O + HCI \rightarrow$$

16.
$$H_2/Ni$$

$$^{17.}$$
 $^{\rm NH_2}$ $^{+}$ HCI $^{\rightarrow}$

19. HN
$$\longrightarrow$$
 $\xrightarrow{H_2/Ni}$ $\xrightarrow{\Delta}$

$$20. \hspace{0.2in} \begin{array}{c} \hspace{0.2in} \mid \hspace{0.2in} \hspace{0.2in} + \hspace{0.2in} \hspace{0.2in} \hspace{0.2in} H_2 \hspace{0.2in} \hspace{0.2in} \hspace{0.2in} \longleftarrow \hspace{0.2in} \hspace{0.2in}$$

$$^{21.}$$
 \longrightarrow $^{+}$ 2 $H_2O + HCI $\longrightarrow$$

22.
$$_{\rm NH}$$
 + HCI \longrightarrow

$$23.$$
 $\stackrel{\mathring{\mathsf{NaO}}}{\longleftarrow}$ + HCl \longrightarrow

24.
$$\uparrow$$
 HCI + H₂O \rightarrow

25.
$$\rightarrow$$
 OH + \rightarrow OH \rightarrow \rightarrow \rightarrow \rightarrow

Question 1:
$$H_{N}$$
 + H_{C} + H_{2} O H_{N} + H_{N}

Question 16:
$$H_2/Ni$$
 Δ NH_2

Question 17:
$$NH_2$$
 + HCI \rightarrow H_1^{+} CI^{-}

Question 18:
$$+$$
 NaOH \rightarrow $+$ NaOH \rightarrow $+$ NH₂

Question 19:
$$HN \stackrel{}{ } \longrightarrow 0$$
 H_2/Ni H_2O

Question 21:
$$\longrightarrow$$
 + 2 H₂O + HCl \longrightarrow $\stackrel{+}{\mathsf{NH}_4\mathsf{Cl}}^-$