Complete the following reactions. Circle the most favored products.

1.
$$H_2/Ni$$
 Δ

3.
$$H_N$$
 H_2/Ni Δ

4.
$$\frac{\text{N}}{\Delta}$$

5.
$$\bigvee$$
NH₂ + H₂O \longleftrightarrow

7.
$$\downarrow$$
 NH + -Cl \rightarrow

8.
$$\downarrow^{\circ}$$
 + NH₃ $\xrightarrow{[-H_2 \circ]}$

9.
$$_{\rm NH}$$
 + HCl \longrightarrow

$$^{12.}$$
 $^{\text{NH}_2}$ $^{+}$ HCl \longrightarrow

$$14. \ \, - _{\rm NH_2} \ \, + \ \, {\rm H_2O} \quad \, \Longleftrightarrow \quad \,$$

15.
$$\stackrel{\bigcirc}{\bigvee}$$
 + NaOH \longrightarrow

16.
$$\uparrow$$
 HCI + H₂O \rightarrow

17.
$$H_2/Ni$$

18.
$$+$$
 HCI $+$ H₂O \rightarrow

19.
$$\underset{NH_2}{\bigvee}^{O} \xrightarrow{H_2/Ni} \xrightarrow{\Delta}$$

21.
$$+ HCI + H_2O \rightarrow$$

$$22.$$
 NH + HCl \longrightarrow

$$^{23.} \hspace{1cm} \nearrow^{\rm NH_2} \hspace{1cm} ^+ \hspace{1cm} {\rm H_2O} \hspace{1cm} \longleftrightarrow \hspace{1cm}$$

24.
$$N \longrightarrow M_2/Ni$$
 $\Delta \longrightarrow$

$$25. \quad \begin{array}{c} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \\ \end{array} + \\ \begin{array}{c} \longrightarrow \\ \\ \longrightarrow \\ \end{array}$$

Question 17:
$$H_2/Ni$$
 MH_2 H_2O

Question 18:
$$+$$
 HCI $+$ H₂O \rightarrow OH $+$ OH

Question 19:
$$NH_2$$
 NH_2 H_2O

Question 20:
$$-\mathbb{N}$$
 + $\mathbb{H}_2\mathbb{O}$ \longleftrightarrow $-\mathbb{N}^+$ + $\mathbb{O}\mathbb{H}^-$

Question 24:
$$M_2/Ni$$
 M_2/Ni M_2/Ni

Question 25:
$$\bigcirc$$
 $+ \longrightarrow_{NH_2} \longrightarrow_{NH} \bigcirc$ $+ \longleftarrow_{NH_2} \bigcirc$