Complete the following reactions. Circle the most favored products.

$$2. \quad \begin{array}{c} \\ \\ \\ \\ \end{array} \quad + \quad H_2 O \quad \Longleftrightarrow \quad$$

$$3.$$
 \longrightarrow $\stackrel{\text{\^{o}}\mathring{\text{Na}}}{\longrightarrow}$ $+$ HCI \longrightarrow

5.
$$+$$
 2 H₂O + HCl \rightarrow

6.
$$+ NH_3 \xrightarrow{[-H_2O]}$$

7.
$$\rightarrow$$
 NH₂ + HCl \rightarrow

8.
NH_2
 + $_2O$ \longleftrightarrow

9.
$$H_2/Ni$$
 Δ

^{10.}
$$^{\text{N}}$$
 + 2 H₂O + HCl \rightarrow

12.
$$\frac{H_2/Ni}{\Delta}$$

13. + HCI +
$$H_2O$$
 \longrightarrow

$$^{14.}$$
 $^{\rm NH}$ $^{+}$ HCI \longrightarrow

$$15.$$
 \longrightarrow + NaOH \longrightarrow

16.
$$H_2/Ni$$
 Δ

17.
$$+ NH_3 \xrightarrow{[-H_2O]}$$

$$^{19.}$$
 $^{\rm N}$ $^{\rm +}$ ${\rm H_2O}$ $^{\rm +}$ NaOH \longrightarrow

20.
$$+ H_2O + NaOH \rightarrow$$

21.
$$\downarrow$$
 CI + NH₃ \rightarrow

22.
$$NH_2$$
 + HCI \longrightarrow

23. + HCI +
$$H_2O$$
 -

24.
$$\stackrel{\circ}{\longrightarrow}$$
 + HCI + H₂O \longrightarrow

Question 1:
$$O$$
Question 2: O
Question 3: O
Question 4: O
Question 5: O
Question 6: O
Question 7: O
Question 7: O
Question 8: O
Question 9: O
Question 9: O
Question 10: O
Question 10: O
Question 11: O
Question 11: O
Question 11: O
Question 12: O
Question 12: O
Question 13: O
Question 14: O
Question 15: O
Question 16: O
Question 17: O
Question 18: O
Question 19: O
Question 10: O
Question 10: O
Question 10: O
Question 10: O
Question 11: O
Question 11: O
Question 11: O
Question 12: O
Question 13: O
Question 14: O
Question 15: O
Question 16: O
Question 17: O
Question 18: O
Question 19: O
Question 10: O
Question 11: O
Question 11: O
Question 12: O
Question 13: O
Question 14: O
Question 15: O
Question 16: O
Question 17: O
Question 18: O
Question 19: O
Question 10: O
Question 11: O
Question 12: O
Question 13: O
Question 15: O
Question 15: O
Question 15: O
Question 16: O
Question 17: O
Question 18: O
Question 18: O
Question 19: O

Question 12:
$$H_2/Ni$$
 Δ NH_2

Question 13:
$$+ \text{ HCI} + \text{ H}_2\text{O} \rightarrow \text{OH} + \text{ H}_2^{\text{H}_2}\text{CI}$$

Question 14:
$$\longrightarrow$$
 $+$ HCI \longrightarrow $\stackrel{H}{\stackrel{N^{+}-H}{\vdash}}$ CI

Question 15:
$$\longrightarrow$$
 + NaOH \longrightarrow OH + \bigcirc ONa

Question 16:
$$H_2/Ni$$
 H_2O

Question 17:
$$+ NH_3$$
 $\xrightarrow{[-H_2O]}$ $+ H_2O$

Question 20:
$$+ H_2O + NaOH \rightarrow + NH_{3(aq)}$$

Question 21:
$$+ NH_3 \rightarrow NH_2 + HCI$$