Complete the following reactions. Circle the most favored products.

$$2. \qquad \text{OH} \qquad + \qquad \qquad \underbrace{\text{[-H_2O]}}_{\text{OH}}$$

3.
$$+ H_2O + NaOH \rightarrow$$

4.
$$+$$
 OH OH OH OH

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

6.
$$\longrightarrow$$
 + H_2O [H+]

7.
$$+$$
 OH OH OH OH

9.
$$\longrightarrow$$
 $\stackrel{\circ Na}{\longrightarrow}$ + HCI \longrightarrow

13.
$$+ H_2O$$
 [H*]

$$14.$$
 \bigcirc \bigcirc \bigcirc

$$16. \quad \begin{array}{c} \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \\ \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \\ \\ \\ \\ \end{array} \quad \begin{array}{c} \\ \\ \\$$

20. + 2
$$H_2O + HCI$$
 \rightarrow

^{21.}
$$+$$
 2 H₂O + HCl \rightarrow

$$24. \quad \bigcirc \mathsf{OH} \quad + \quad \bigcirc \mathsf{OH} \quad \xrightarrow{[\mathsf{-H_2O}]} \quad$$

^{25.} + 2
$$H_2O + HCI$$
 \rightarrow

Question 1:
$$\bigcap_{ONa}^{\circ Na} + HCI \rightarrow \bigcap_{OH}^{\circ} + NaCI$$

Question 2: $\bigcap_{OH}^{\circ} + H_{2O}$

Question 3: $\bigcap_{OH}^{\circ} + H_{2O}$

Question 4: $\bigcap_{OH}^{\circ} + H_{2O}$

Question 5: $\bigcap_{OH}^{\circ} + H_{2O}$

Question 6: $\bigcap_{OH}^{\circ} + H_{2O}$

Question 7: $\bigcap_{OH}^{\circ} + H_{2O}$

Question 8: $\bigcap_{OH}^{\circ} + H_{2O}$

Question 9: $\bigcap_{OH}^{\circ Na} + HCI \rightarrow \bigcap_{OH}^{\circ} + NaCI$

Question 12:
$$\bigcirc$$
OH + \bigcirc OH \longrightarrow \bigcirc H₂O + \bigcirc H₂O

Question 13:
$$+ H_2O$$
 H^* $+ H_0$

Question 16:
$$+ H_2O$$
 $+ H_2O$ $+ H_3O$

Question 22:
$$+$$
 2 $H_2O + HCI \rightarrow $+$ $NH_4CI$$

Question 23:
$$\downarrow \circ$$
 + $\downarrow \circ$ $\vdash \circ$ \vdash

Question 24:
$$\bigcirc$$
OH + \bigcirc OH \bigcirc H₂O] \bigcirc H₂O