Complete the following reactions. Circle the most favored products.

$$1.$$
 \downarrow + HCl \rightarrow

6.
$$+ H_2(g) \rightarrow$$

8.
$$+ H_2O \rightarrow$$

9.
$$+ H_2(g) \rightarrow$$

$$10. \bigcirc \bigcirc + \bigcirc \bigcirc$$

11.
$$\leftarrow$$
 + Cl_2 \rightarrow

12.
$$+ \text{ KMnO}_4 + \text{H}_2\text{O} \rightarrow$$

13.
$$+ H_2O \rightarrow$$

14.
$$+ \text{ KMnO}_4 + \text{H}_2\text{O} \rightarrow$$

15.
$$+ H_2O \rightarrow$$

16.
$$\bigcirc$$
 + Cl_2 \longrightarrow

$$^{17.}$$
 \bigcirc $^+$ HCl $~\rightarrow$

18.
$$+ H_2O \rightarrow$$

$$20.$$
 \bigcirc + HCI \longrightarrow

21.
$$+ \text{ KMnO}_4 + \text{H}_2\text{O} \rightarrow$$

22.
$$+ H_2O \rightarrow$$

23.
$$+ \text{ Cl}_2 \rightarrow$$

24.
$$+ H_2(g) \rightarrow$$

25.
$$+ \text{ Cl}_2 \longrightarrow$$

Question 3:
$$CI$$

Question 5:
$$+$$
 CI

Question 7:
$$\bigcirc$$
 + \bigcirc + \bigcirc

Question 12:
$$+ \text{MnO}_2$$
 + KOH

Question 14:
$$+ \text{MnO}_2$$
 + KOH

Question 17:
$$\bigcap^{\alpha} + H_2(g)$$

Question 21:
$$+ \text{MnO}_2 + \text{KOH}$$

Question 25: