Complete the following reactions. Circle the most favored products.

$$3.$$
 OH $[0]$

$$4.$$
 CI + NaOH \longrightarrow

5.
$$\rightarrow$$
 CI + NaOH \rightarrow

$$6. \qquad \overbrace{ [\text{-H}_2 \text{O}] }^{\text{OH}}$$

11.
$$\underbrace{\frac{\left[K_2Cr_2O_7/H_2SO_4\right]}{\Delta}}_{OH}$$

13.
$$\bigcap_{[K_2 C r_2 O_7/H_2 S O_4]} \bigcap_{\Delta}$$

16.
$$\stackrel{\text{OH}}{\longleftarrow}$$
 + HCl $\stackrel{\text{[ZnCl}_2]}{\longleftarrow}$

18. OH +
$$\bigcirc$$
OH $[H_2O]$

19.
$$\downarrow$$
 OH + \downarrow OH $[-H_2O]$

$$20. \qquad \xrightarrow{\text{OH}} \qquad \xrightarrow{\frac{\left[K_2 C r_2 O_\gamma / H_2 S O_4\right]}{\Delta}}$$

23.
$$+$$
 HCl $[ZnCl_2]$

25. \rightarrow HCI $\boxed{[ZnCl_2]}$

Question 1:
$$H_2O$$
 Rate: Slow

Question 3:
$$+ H_2O$$

Question 7:
$$+ H_2O$$

Question 9:
$$+ H_2O$$
 Rate: Slow

Question 10:
$$+ H_2O$$

${\rm Question} \ 11: \ \ \mbox{No Reaction}$

Question 12:
$$+ H_2O$$

Question 14:
$$+ H_2O$$
 Rate: Slow

Question 15:
$$+ H_2O$$
 Rate: Slow

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- Question 16: $+ H_2O$ Rate: Slow
- Question 17: $+ H_2O$
- Question 18: $+ H_2O$
- Question 19: $+ H_2O$
- Question 20: No Reaction
- Question 21: $+ H_2O$
- Question 22: $+ H_2O$ Rate: Very Slow
- Question 23: $+ H_2O$ Rate: Very Slow
- Question 24: $+ H_2O$
- Question 25: $+ H_2O$ Rate: Very Slow