第七章 卤代烃

- 1.(1)2-甲基-7-溴辛烷
 - (3) 1,3-二环丙基-2-氯丙烷
 - (5) 反-1-氯二环[4.4.0]癸烷
 - (7)(Z)-3-甲基-6-氯-3-庚烯
- 2. (1) a > b > c

- (2) 4-甲基-2-氯-6-溴庚烷
- (4)(2S, 3R)-2,3-二溴戊烷
- (6)(2R, 3R)-2,3-二氯丁烷
- (8)(S)-3-甲基-3-氯-1-戊烯
- (2) b > c > a
- $3.\ (1)\ S_N2\ (2)\ S_N1\ (3)\ S_N2\ (4)\ S_N1\ (5)\ S_N1\ (6)\ S_N2\ (7)\ S_N2\ (8)\ S_N2$

$$4.(1)$$
 CH₂CN

(2)
$$CH_3$$
 + CH_3 CH_3

$$CH_3$$
(3) $H_3C-C=CHCH_3$

(7)
$$C(CH_3)_2$$

(9)
$$^{\text{H}_3\text{C}}_{\text{H}}$$
 $^{\text{C}}$ $^{\text{CH}_3}_{\text{D}}$ $^{\text{H}_3\text{C}}_{\text{CH}}$

$$\begin{array}{c|c} CH_3 & CH_3 \\ \hline O & (12) & MgBr & D \end{array}$$

CH₃CHCHCH₂CH₃ 5. ĊН₃ $\begin{array}{c} \stackrel{+}{\text{CH}_3\text{CCH}_2\text{CH}_2\text{CH}_3} \stackrel{\text{OH}}{\longrightarrow} & \text{CH}_3\text{CCH}_2\text{CH}_2\text{CH}_3\\ \stackrel{+}{\text{CH}_3} & \stackrel{+}{\text{CH}_3} & \stackrel{+}{\text{CH}_3} \end{array}$

6. A \searrow B \searrow Br \bigcirc C

7.
$$CH_3$$
 Br CH_3 CH_3 CH_3 CH_3 CH_4 CH_5 CH_6 CH_6