$$\begin{array}{c} O \\ HO-C \\ H \\ C=C \\ H \\ C-OH \\ O \\ \hline \ensuremath{\mathbb{Z}} 1.1 \\ \end{array}$$

$$\begin{array}{c}
\text{OH} \\
\text{CH}_3 - \text{CH} - \text{C} - \text{OH} \\
\parallel \\
\text{O}
\end{array}$$

$$\label{eq:CH3-CH2-CH3} \begin{split} \mathrm{CH_3-CH_2-CH_3} \\ & \boxtimes 1.7 \end{split}$$

$$H$$
 $C = C$ 
 $H$ 
 $\boxtimes 1.8$ 

$$CH_3 - CH = CH_2$$

$$\boxtimes 1.10$$

$$\begin{array}{c} \mathrm{CH_3-C-O-CH_3} \\ \parallel \\ \mathrm{O} \\ \boxtimes 2.1 \end{array}$$

$$\begin{array}{c} O \\ \parallel \\ HO-C \\ H \end{array} \begin{array}{c} H \\ C-C \\ \parallel \\ O \end{array}$$

$$\begin{array}{c|c}
CH_3 - C - CH - CH_3 \\
\parallel & \mid \\
O & CH_3
\end{array}$$
 $\boxtimes 2.5$ 

$$\begin{array}{c} & O \\ \parallel \\ C & C \\ \parallel \\ C & C \\ H & \parallel \\ O \\ \boxtimes 2.8 \end{array}$$

$$\begin{array}{ccc} \mathrm{CH_2} - \mathrm{CH_2} \\ | & | \\ \mathrm{OH} & \mathrm{OH} \\ & \boxtimes 3.1 \end{array}$$

$$(P)$$
メタノール  $CH_3 - OH$ 

$$(イ)$$
 エタノール  $CH_3-CH_2-OH$ 

$$(イ) エタノール \\ CH_3-CH_2-OH \\ CH_3-CH_2-CH_2-OH$$

$$CH_3 - C - O$$
 $O$ 
 $\boxtimes 5.1$ 

図 7.5

図 7.4

$$C = C - {*C - C - C \atop OH}$$
  $C = C - C - {*C - C \atop OH}$   $C = C - {*C - C - OH \atop OH}$   $E = C - {*C - C - OH \atop H}$   $E = C - {*C - C - OH \atop H}$   $E = C - {*C - C - OH \atop H}$   $E = C - {*C - C - OH \atop H}$   $E = C - {*C - C - OH \atop H}$ 

$$\begin{array}{c} O \\ \parallel \\ C-O-CH_3 \\ \parallel \\ C-O-CH_3 \\ \parallel \\ O \\ \boxtimes 9.1 \end{array} \qquad \begin{array}{c} \triangle-C-O-\bigcirc \\ \parallel \\ O \\ \boxtimes 9.2 \\ \end{array}$$