Level 1

Ethylhexane

3,4-Diethylhexane

$$\begin{array}{c|c} & CH_3 \\ H_2 & CH \\ CH & CH_3 \\ CH_2 & CH_2 \\ CH_3 & CH_3 \end{array}$$

3-Ethyl-2-methylpentane

$$H_{3}C$$
 $CH_{3}$ 
 $H_{2}C$ 
 $CH_{3}$ 
 $CH_{3}$ 

Ethylpentane

3,3-Diehtylhexane

$$H_3C$$
 $C$ 
 $C$ 
 $C$ 
 $OH$ 

Propane-1-ol

Level 2

Methylcyclopentane

$$\begin{array}{c} \text{OH} \\ | \\ \text{H}_3\text{C} \\ \text{C} \\ \text{H}_2 \\ \text{H}_2 \\ \end{array} \begin{array}{c} \text{OH} \\ \text{C} \\ \text{H}_2 \\ \end{array}$$

Butane-1,2-diol

2,3,4,5-Tetramethylhexane

4-Ethyl-2,3-Dimethylhexane

$$\begin{array}{c|c} H_3C & \stackrel{H}{\searrow} C & \stackrel{CH_3}{\searrow} C \\ & \downarrow & H \\ & CH_3 \end{array}$$

4-Methylpent-2-ene

1,3,5-Trimethylcyclohexane

3-Ethyl-2,2,3,4-tetramethylpentane

Cyclopenta-1,3-diene

2-Methylcyclopentane-1-ol

2-Methylhex-4-ene-3-ol

$$\begin{array}{c} \text{OH} \\ | \\ | \\ \text{C} \\ | \\ \text{CH}_2 \end{array}$$

Buta-1,3-diene-2-ol

3,4-Diethyl-2,2,5,5-tetramethylhexane

3-Methylcyclohexa-1,4-diene

$$HO \underbrace{C}_{H_2} \underbrace{C}_{H_2} \underbrace{C}_{H_2} CH_2$$

But-3-ene-1-ol

## Level 4

5-Methylcyclopent-2-ene-1-ol

Pent-2-ene-2,3,4-triol