Answers to More Chapter 22 Study Questions

lots of other isomers possible

2. 5-ethyl-3,5,7-trimethyl nonane

3. a)
$$\begin{matrix} O \\ \parallel \\ CH_3-CH_2-C-O-H \end{matrix}$$

4. a) O b) O
$$\parallel$$
 \parallel CH₃-C-O-CH₂-CH₃ CH₃-C-O-H

b) O
$$\parallel \text{ and } \text{H-O-CH}_2\text{-CH}_3$$
 $\text{CH}_3\text{-C-O-H}$

b) condensation, polyamide, copolymer

c) condensation, polyester O
$$\parallel$$
 homopolymer
$$H-O-C-CH_2-CH_2-O-H$$