Answers to problems page 705
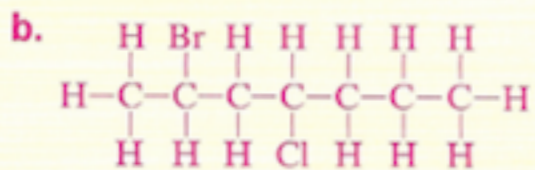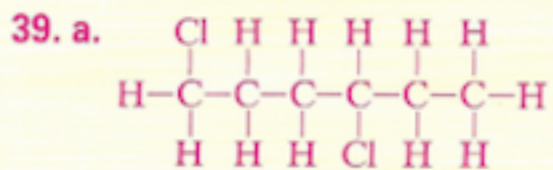
Practice Problems

38. a. 2,4,4,-trimethyl-2-pentene

    b. 4,4-dimethyl-2-hexene

    c. 3-ethyl-3-hexene

    d. 3-propyl-2-heptene

39. a.

$$
\begin{array}{ccccccc}
& \text{Cl} & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} \\
& | & | & | & | & | & | \\
\text{H}-\!\!&\text{C}&-\text{C}&-\text{C}&-\text{C}&-\text{C}&-\text{C}-\text{H} \\
& | & | & | & | & | & | \\
& \text{H} & \text{H} & \text{H} & \text{Cl} & \text{H} & \text{H}
\end{array}
$$

    b.

$$
\begin{array}{ccccccc}
& \text{H} & \text{Br} & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} \\
& | & | & | & | & | & | & | \\
\text{H}-\!\!&\text{C}&-\text{C}&-\text{C}&-\text{C}&-\text{C}&-\text{C}&-\text{C}-\text{H} \\
& | & | & | & | & | & | & | \\
& \text{H} & \text{H} & \text{H} & \text{Cl} & \text{H} & \text{H} & \text{H}
\end{array}
$$

40. a. butanone

    b. butanal

    c. both formulas are C_4H_8O