

Florida National University
Chemistry CHM 1033

Name

Date:

Provide the correct IUPAC name for the following compounds

<p>1. $\begin{array}{c} \text{H} & \text{H} \\ & \\ \text{H}-\text{C} & - & \text{C}-\text{H} \\ & \\ \text{H} & \text{H} \end{array}$</p>	<p>6. $\begin{array}{c} \text{Br} & & \text{H} \\ & \diagdown & / \\ & \text{C} = \text{C} \\ & / & \diagdown \\ \text{H} & & \text{Br} \end{array}$</p>
<p>2. $\text{CH}_3-\text{CH}_2-\text{CH}=\text{CH}-\text{CH}_2-\text{CH}_3$</p>	<p>7. $\begin{array}{ccccccc} & \text{CH}_3 & & \text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_3 & & & \\ & & & & & & \\ \text{H}_3\text{C}-\text{CH} & -\text{CH}_2- & \text{CH} & -\text{CH}_2-\text{CH}_3 & & & \end{array}$</p>
<p>3. $\begin{array}{ccccccc} & & \text{CH}_2-\text{CH}_3 & & & & \\ & & & & & & \\ \text{H}_3\text{C}-\text{CH}_2- & \text{CH} & -\text{CH}_2-\text{CH}_3 & & & & \end{array}$</p>	<p>8. $\begin{array}{ccccccc} & \text{Cl} & & \text{Cl} & & & \\ & & & & & & \\ \text{Br}-\text{CH} & -\text{CH} & -\text{CH}_3 & & & & \end{array}$</p>
<p>4. $\begin{array}{ccccccc} \text{CH}_3 & \text{CH}_3 & & & & & \\ & & & & & & \\ \text{CH} & -\text{C} & -\text{CH}_2-\text{CH}_2-\text{CH}_3 & & & & \\ & & & & & & \\ \text{CH}_3 & \text{CH}_3 & & & & & \end{array}$</p>	<p>9. $\begin{array}{ccccccc} \text{H}_3\text{C}-\text{CH} & -\text{C} \equiv \text{C} & -\text{CH} & -\text{CH}_2-\text{CH}_3 & & & \\ & & & & & & \\ \text{CH}_3 & & \text{CH}_2-\text{CH}_3 & & & & \end{array}$</p>
<p>5. $\text{HC}\equiv\text{C}-\text{CH}_3$</p>	<p>10. $\begin{array}{ccccccc} & & & & \text{Cl} & & \\ & & & & & & \\ \text{H}_3\text{C}-\text{CH} & -\text{CH}_2-\text{CH}_2-\text{CH}_2 & -\text{CH}_2 & & & & \\ & & & & & & \\ \text{CH}_3 & & & & & & \end{array}$</p>

II- Write the condensed structural formula of the following compounds

1- cyclopentane

2- Heptane

3- 4 methyl 2 pentene

4- 6 ethyl 5,5 methyl 3 octyne