

Name: _____ Per _____

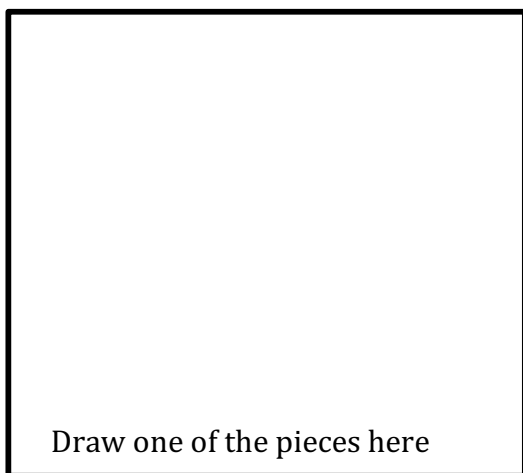
Organic Chemistry Introduction Activity

Directions: Categorize the following 11 pieces into groups. You can choose how many groups to make, and you can choose how many pieces to put into each group. For each group that you make 1) write one similarity that you notice 2) write one difference that you notice, 3) name the group that you made, and 4) draw one of the pieces within that group.

Group Name: _____

Similarity: _____

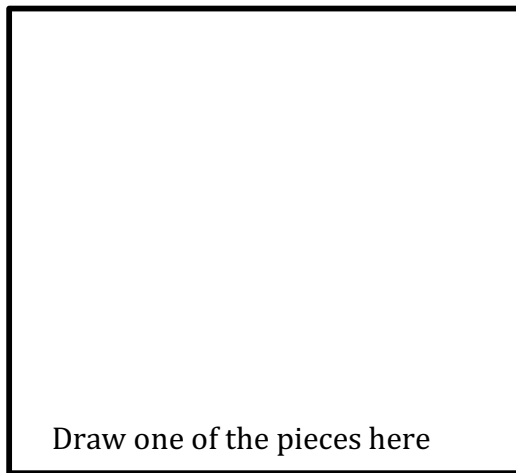
Difference: _____



Group Name: _____

Similarity: _____

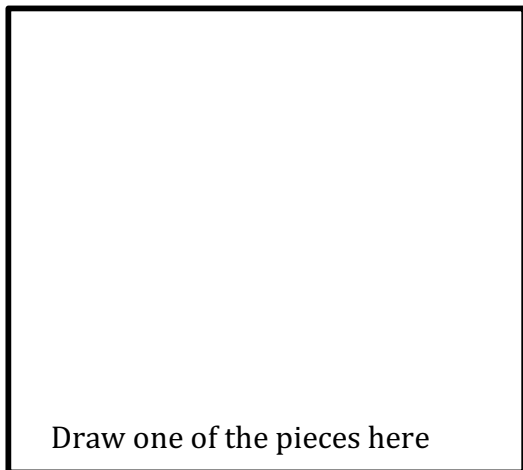
Difference: _____



Group Name: _____

Similarity: _____

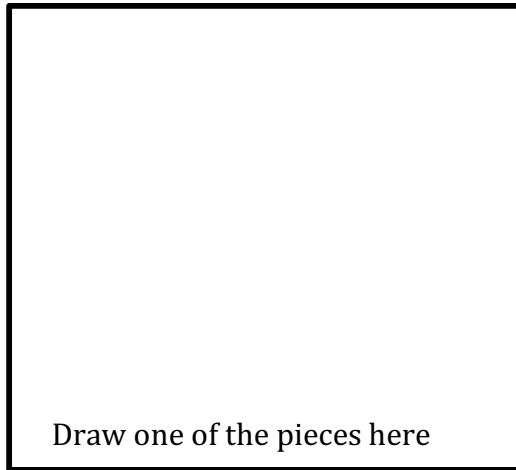
Difference: _____



Group Name: _____

Similarity: _____

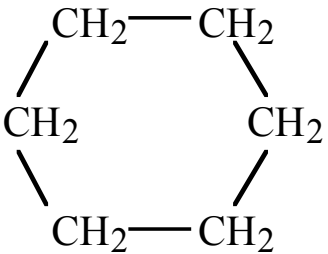
Difference: _____



Name: _____ Per _____

Directions:

1. After you have grouped all of the puzzle pieces, name the following three structures below using your group names to help you.
2. After, write what patterns you used from your groups to help you identify the name of the structures below.

$\text{CH}_3\text{CH}_2\text{CH}_3$	Name: _____ What patterns did you use to determine this name? _____ _____ _____ _____
 <p>A cyclohexane ring structure consisting of six CH₂ groups connected in a hexagonal ring. The top two CH₂ groups are connected by a horizontal line. The bottom two CH₂ groups are also connected by a horizontal line. The left and right sides are connected by diagonal lines.</p>	Name: _____ What patterns did you use to determine this name? _____ _____ _____ _____
$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3\text{CCH}_2\text{CH}_2\text{CH}_3 \\ \\ \text{CH}_3 \end{array}$	Name: _____ What patterns did you use to determine this name? _____ _____ _____ _____