Name:_____ ISOMER LAB

Objective: Create and name isomers for organic molecules

Procedure

Each station has an organic molecule model. You need to;

1) Name the model that is there (get it checked). Draw the lewis structure in your data table with its name.
2) Make an isomer of that molecule. Remember, you will need to break bonds and make new ones in order to make an isomer.
3) Name the new isomer and get it checked. Draw that isomer in your data table
4) While you wait to switch stations, work on determining the condensed structural and molecular formula for each of the isomers

Post Lab Questions:

1) Based on the lab, what class/families/functional groups can be isomers of each other?

2) How are you able to determine if 2 molecules are isomers?

3) What is different about isomers?

4) Draw as many possible isomers of C_3H_8O as you can and name them.

	Lewis Structure	Condensed Structural Formula & Name	Molecular Formula
Station 1	Isomer 1:		
	Isomer 2:		
Station 2	Isomer 1:		
	Isomer 2:		
Station 3	Isomer 1:		
	Isomer 2:		
Station 4	Isomer 1:		
	Isomer 2:		
Station 5	Isomer 1:		
	Isomer 2:		