

Organic Chemistry 5 Week Review

Name: _____

We have covered:

1. Alkanes
2. Alkenes
3. Alkynes
4. Alcohols
5. Ethers

Complete the following review questions:

1. Draw the structural formulas and name all the isomers of C_6H_{14}

2. Draw the structural formulas and name all of the isomers of C_6H_{12}

3. Draw the structural formulas and name all the isomers of **C₆H₁₀**
4. Draw the structural formulas and name all the alcohols with the chemical formula **C₆H₁₃OH**. Also label each alcohol as 1°, 2°, 3°.
5. Draw the structural formula and names of all the ethers with the chemical formula **C₆H₁₄O**

6. What is the main difference between Alcohols, Ethers and Alkanes, Alkenes, Alkynes? _____

7. What is the common name of Ethandiol? _____
What is a diol? _____

8. Draw the structural formula of : (write the chemical formula below the diagram)

Benzene

Toluene

9. What is polyethylene? _____