

Pre-Lab Questions

1. Define the following terms: isoprene, monoterpene, diterpene. Include structures.
2. What general class of compounds includes carvone?
3. Draw the structure of another compound in this general class that has the same number of carbons as carvone. Include its biological source.
4. What do you expect (*R*)-carvone to smell like? (*S*)-carvone? Why do they smell differently?
5. What is petroleum ether? Is it structurally related to diethyl ether?
6. What are the characteristic peaks you would expect for an IR of *R*-carvone?