

## Investigation - Molecular Models

The purpose of this investigation is to examine the structure of some isomers of organic compounds and to practice drawing structural diagrams.

### **Problem:**

What are the structures of the isomers of  $C_4H_{10}$ ,  $C_2H_3Cl_3$ ,  $C_2H_6O$ , and  $C_2H_7N$ ?

### **Materials:**

molecular model kit

### **Procedure:**

1. Assemble two different isomeric models of  $C_4H_{10}$  and record three different structural diagrams for each model.
2. Assemble two different models for each of the other molecular formulas and record their complete and condensed structural diagrams.