

Answer on Question #43837 - Chemistry - Organic Chemistry

Question:

What are two or more advantages of using a line structure?

Answer:

Drawing the line structural formulas assume that the reader know some information about organic chemistry, and thus that information can be left out of the structure. Line drawings typically do not show the hydrogen atoms (unless they are important in the reaction), thus **reducing the time/effort** required to draw a structural model. Time is also saved by representing carbon atoms as either the endpoints of the line or the vertex of the lines, saving even more time/effort. They take a little getting used to, but the time/effort saved over drawing full structural models is well worth the effort to learn how to draw them. They are helpful because they **explain the properties and structure of the compound**.

Examples:

