

## Answer on Question #43838 - Chemistry - Organic Chemistry

### Question:

What are two or more advantages of using a condensed structural formula?

### Answer:

Condensed structural formulas show the order of atoms like a structural formula but are written in a single line to save space and make it **more convenient** and **faster to write out**. Condensed structural formulas are also helpful when **showing that a group of atoms is connected to a single atom in a compound**. When this happens, parenthesis are used around the group of atoms to show they are together. Its main advantage is they **information fits on one line of text**.

Example: Condensed Structural Formula for Ethanol:  $\text{CH}_3\text{CH}_2\text{OH}$  (Molecular Formula for Ethanol  $\text{C}_2\text{H}_6\text{O}$ ).