

## 12:10 CLASSIFICATION OF CARBON ATOMS

Each of the carbon atoms within a hydrocarbon structure can be classified as a primary, secondary, tertiary, or quaternary carbon atom. A primary carbon atom is a carbon atom in an organic molecule that is bonded to only one other carbon atom. Each of the "end" carbon atoms in the three-carbon propane structure is a primary carbon atom, whereas the middle carbon atom of propane is a secondary carbon atom. A secondary carbon **atom** is a carbon atom in an organic molecule that is bonded to two other carbon atoms.

