OBJEKTIVE: Students will:

- Be able to understand the relationships between atoms in simple carbon compounds;
- Be able to compute the number and types of atoms in CFC and HCFC compounds using their code numbers;
- Be able to arrive at the chemical formulas for CFC and HCFC compounds using the Rule of 90;

IMPORTANT TERMS: Chemical compound, atom, molecule, covalent bond, code number, alkane, CFC, HCFC, hydrocarbon, Periodic Table of the Elements, halogen;

PROCEDURE:

1. Read over the introduction with the class.
   - Check vocabulary comprehension.
   - Present some illustrations of simple carbon compounds to reinforce the ideas in the reading selection.
2. Pass out the explanation sheet on the Rule of 90.
   - Remind students that it can be applied to all CFCs and HCFCs.
   - Go over each step carefully and give several examples of how the process works.
3. Organize students into pairs and have each pair work together to complete the data table using the information from the reading and the steps in the Rule of 90.
4. Student should complete the analysis section when they have completed the data table.