

Electron-Dot Diagram

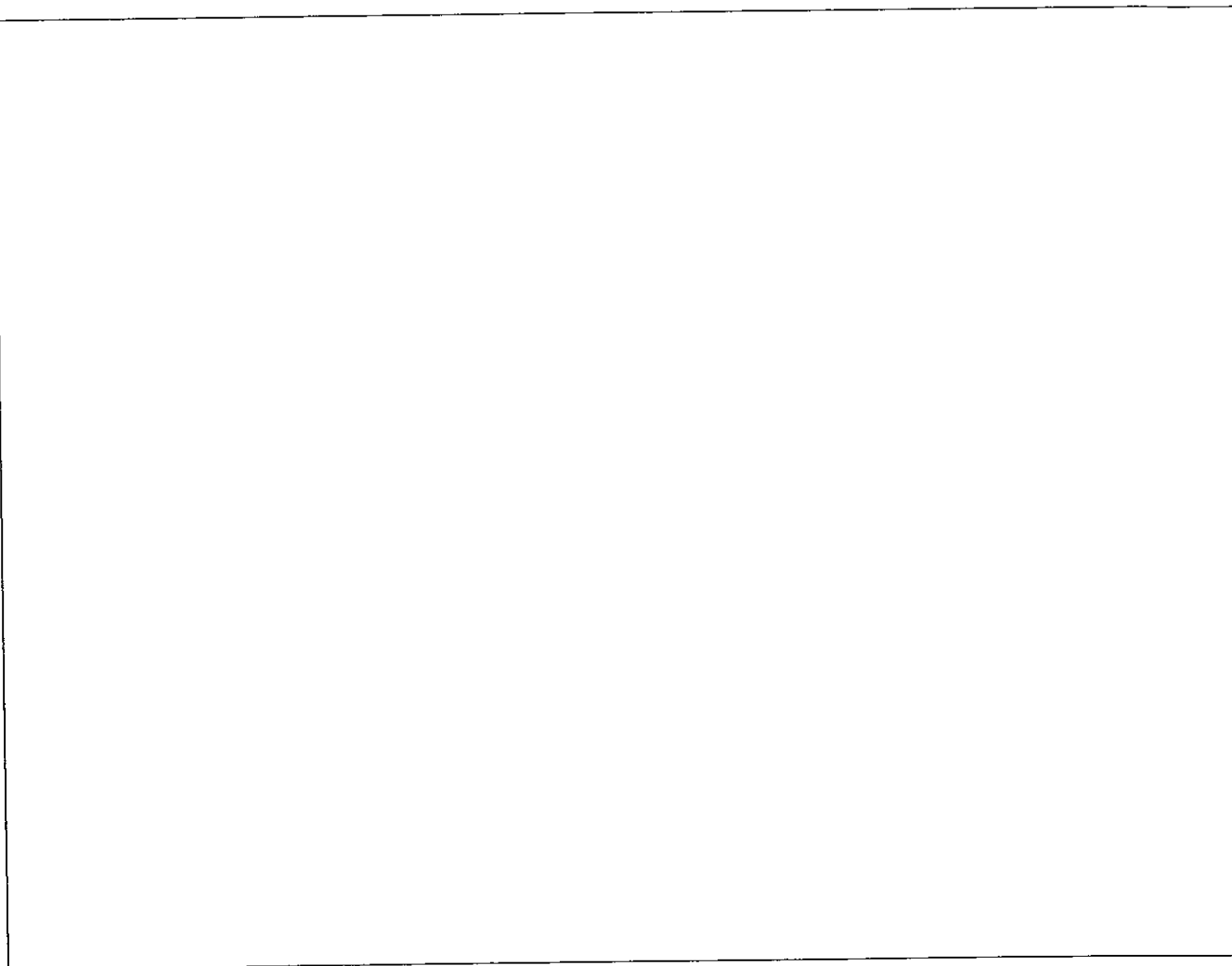
The electron-dot diagram of a hydrogen atom is



The electron-dot diagram of a carbon atom is



Use electron-dot diagrams to show how hydrogen atoms would join with carbon atoms to form at least two covalent compounds. Make sure all the atoms have filled energy levels.



1. How many atoms of hydrogen are involved in each case? _____
2. How many atoms of carbon are involved in each case? _____