| d. Atoms with incomplete outer shells sometimes  | their outer electrons.                      |
|--|---|
| When they do, the total number of electrons in their out   | ter shell is often equal to                 |
| <ul> <li>to complete its outer shell, carbon needs</li> <li>needs more.</li> </ul>               | more electrons, and the oxygen atom         |
| e. Using the space below, draw how one carbon atom ar form a bond.                               | nd two oxygen atoms arrange themselves to   |
|  |   |
| f. Looking at the picture drawn above, how many total of   | electrons are shared between the carbon and |
| oxygen atom on the left? On the right? _   |   |
| g. The atoms in a covalent bond are held together by the   | 2   |
|  | hlorine                                     |
| b. How many valence electrons does sodium have?electron, what does its overall charge become?    |   |
| c. How many valence electrons does chlorine have? electron, what does its overall charge become? |   |
| d. Draw the Ionic bond that forms between sodium and chlorine (sodium chloride).                 |   |