

## Analyzing the Bohr Atom

Use the information supplied in the table to fill in the remaining blanks in each row.

| Number of Electrons | Electron Configuration | Mass Number | Number of Protons | Number of Neutrons | Element | Symbol | Isotope Notation  |
|---------------------|------------------------|-------------|-------------------|--------------------|---------|--------|-------------------|
|                     |                        |             |                   |                    |         | B      |                   |
|                     | 2-7                    |             |                   |                    |         |        |                   |
| 13                  |                        |             |                   |                    |         |        |                   |
|                     |                        |             |                   |                    | carbon  |        |                   |
|                     |                        |             | 11                |                    |         |        |                   |
|                     |                        |             |                   | 0                  |         |        |                   |
|                     |                        |             | 19                |                    |         |        |                   |
|                     |                        |             |                   |                    |         | Cl     |                   |
|                     |                        |             |                   |                    |         |        | $^{16}_8\text{O}$ |
|                     | 2-8-8-2                |             |                   |                    |         |        |                   |
|                     |                        |             |                   |                    | sulfur  |        |                   |
| 18                  |                        |             |                   |                    |         |        |                   |
|                     |                        | 9           |                   |                    |         |        |                   |
|                     |                        |             |                   |                    |         |        | $^4_2\text{He}$   |
|                     | 2-8-9-2                |             |                   |                    |         |        |                   |