

Atoms and Ions Worksheet

Fill in the table below for each of the atoms:

| Atom | Symbol | Atomic number | # of protons | # of valence electrons | Metal or non-metal | Electron Dot diagram |
|--------|--------|---------------|--------------|------------------------|--------------------|----------------------|
| carbon | | | | | | |
| | I | | | | | |
| | | 50 | | | | |
| | | | 37 | | | |

Fill in the table below for each of the ions:

| Ion | Atomic number | # of protons | Metal or non-metal | Lose or gain electrons | Charge | Electron Dot diagram |
|---------------|---------------|--------------|--------------------|------------------------|--------|----------------------|
| strontium ion | | | | | | |
| selenide | | | | | | |
| | 37 | | | | | |
| | | 9 | | | | |
| iodide | | | | | | |