**CHE2060 Electron Configuration Worksheet**

For the elements listed below fill in the information required for the table below and *then* use the orbital box diagrams to write out the electron configuration of each element. To save time you may use a slash through boxes (orbitals) that hold two electrons, but use a single up arrow to represent a single electron.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Element** | **Column** | **Row** | **Atomic****number** | **Number of bonds to complete octet** |
| H |  |  |   |  |
| N |  |  |   |  |
| C |  |  |   |   |
| O |  |  |   |  |
| F |  |  |   |  |
| P |  |  |   |  |
| S |  |  |   |   |
| Cl |  |  |   |  |
|  Br |  |  |  |  |
| I |  |  |   |   |

**Phosphorous, the element**





