

## Atoms vs Ions WS

| Symbol           | Atom or Ion | Number of Protons | Number of Electrons | Electric Charge |
|------------------|-------------|-------------------|---------------------|-----------------|
| Li <sup>+</sup>  |             | 3                 | 2                   | 1+              |
| C                |             | 6                 | 6                   | 0               |
| F <sup>-</sup>   |             | 9                 | 10                  | 1-              |
| Mg <sup>2+</sup> |             |                   |                     |                 |
| K <sup>+</sup>   |             |                   |                     |                 |
| Li               |             |                   |                     |                 |
| S <sup>2-</sup>  |             |                   |                     |                 |
| He               |             |                   |                     |                 |
|                  |             | 18                |                     | 0               |
|                  |             | 8                 |                     | 2-              |
|                  |             | 17                |                     | 1-              |
|                  |             | 11                |                     | 0               |
| Ca <sup>2+</sup> |             |                   | 18                  |                 |
| Fe <sup>3+</sup> |             |                   | 23                  |                 |
| Fe <sup>2+</sup> |             |                   | 24                  |                 |
|                  |             |                   | 78                  | 1+              |
|                  |             |                   | 78                  | 2+              |
|                  |             | 82                | 78                  |                 |
|                  |             | 30                | 30                  |                 |