**Protons, Neutrons, and Electrons Practice Worksheet**

*Fill in the blanks in the following worksheet for neutral atoms. Please keep in mind that the isotope represented by each space may NOT be the most common isotope or the one closest in atomic mass to the value on the periodic table.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Isotopic Symbol | Atomic  number | Protons | Neutrons | Electrons | Mass Number |
| 11B |  |  | 6 |  |  |
|  | 11 |  |  |  | 24 |
|  |  | 31 | 37 |  |  |
|  |  |  |  | 39 | 89 |
|  | 29 |  | 35 |  |  |
|  |  | 43 |  |  | 100 |
| 207Pb |  |  |  |  | 207 |
|  |  |  | 102 | 70 |  |
|  |  | 89 |  |  | 225 |
| 95Mo |  |  | 53 |  |  |
|  | 81 |  |  |  | 206 |
|  | 100 |  | 159 |  |  |
| No |  |  |  |  | 261 |
| Yb |  |  |  |  | 172 |
|  |  | 106 | 159 |  |  |

**Solutions for the Protons, Neutrons, and Electrons Practice Worksheet:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Atomic  symbol | Atomic  number | Protons | Neutrons | Electrons | Mass Number |
| B | 5 | 5 | 6 | 5 | 11 |
| Na | 11 | 11 | 13 | 11 | 24 |
| Ga | 31 | 31 | 37 | 31 | 68 |
| Y | 39 | 39 | 50 | 39 | 89 |
| Cu | 29 | 29 | 35 | 29 | 64 |
| Tc | 43 | 43 | 57 | 43 | 100 |
| Pb | 82 | 82 | 125 | 82 | 207 |
| Yb | 70 | 70 | 102 | 70 | 172 |
| Ac | 89 | 89 | 136 | 89 | 225 |
| Mo | 42 | 42 | 53 | 42 | 95 |
| Tl | 81 | 81 | 125 | 81 | 206 |
| Fm | 100 | 100 | 159 | 100 | 259 |
| No | 102 | 102 | 159 | 102 | 261 |
| Yb | 70 | 70 | 101 | 70 | 172 |
| Sg | 106 | 106 | 159 | 106 | 265 |