Atomic Diagram Worksheet

Use the Bohr models to determine the number of valance electrons. Once you have found the number of valance electrons, place them around the elements symbol.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Element** | **Atomic #** | **Mass #** | **Protons** | **Neutrons** | **Electrons** | **Bohr Model** | **Lewis Dot** |
| Carbon | 6 | 12 | 6 | 6 | 6 | 4 Dots in outer shell | 4 dots around the symbol |
| Hydrogen |  |  | 1 | 0 |  |  | H |
| Lithium |  |  |  | 4 | 3 |  | Li |
| Magnesium |  | 24 |  | 12 |  |  | Mg |
| Boron |  | 11 | 5 |  | 5 |  | B |
| **Element** | **Atomic #** | **Mass #** | **Protons** | **Neutrons** | **Electrons** | **Bohr Model** | **Lewis Dot** |
| Helium |  | 4 |  | 2 |  |  | He |
| Oxygen |  | 16 | 8 |  | 8 |  | O |
| Fluorine |  |  |  | 10 |  |  | F |
| Nitrogen |  |  |  | 7 | 7 |  | N |
| Silicon |  | 28 |  |  |  |  | Si |