Lewis Dot 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 #** | **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 | 1 | 1 | 0 |  |  | H |
| Lithium | 3 | 7 | 3 |  | 3 |  | Li |
| Magnesium | 12 | 24 | 12 | 12 |  |  | Mg |
| Boron | 5 | 11 | 5 |  | 5 |  | B |
| **Element** | **Atomic #** | **Atomic Mass** | **Protons** | **Neutrons** | **Electrons** | **Bohr Model** | **Lewis Dot** |
| Helium | 2 | 4 |  | 2 | 2 |  | He |
| Oxygen | 8 | 16 | 8 |  | 8 |  | O |
| Fluorine | 9 | 19 | 9 | 10 |  |  | F |
| Nitrogen | 7 | 14 | 7 |  | 7 |  | N |
| Silicon | 14 | 28 |  | 14 | 14 |  | Si |