

Name _____ Date _____ Per. _____

Protons, Neutrons, and Electrons Practice Worksheet

Fill in the blanks in the following worksheet. Please keep in mind that a variety of isotopes and ions may be represented.

| Atomic Symbol | Atomic Number | Protons | Neutrons | Electrons | Mass Number (amu) | Average Atomic Mass (amu) |
|-----------------|---------------|---------|----------|-----------|-------------------|---------------------------|
| B | | | 6 | | | 10.811 |
| | 11 | | | | 24 | |
| | 4 | | 5 | 2 | | |
| | | 31 | 37 | 31 | | 69.723 |
| | 29 | | 35 | | | |
| Pb | | | | | 207 | 207.2 |
| ¹³ C | | 6 | | | | |
| | | | | 35 | 80 | 79.904 |
| | 7 | | | | 15 | |
| H | | | 2 | | | 1.0079 |
| K ⁺ | | 19 | | | | |
| | | 12 | | 10 | | |
| ⁴ He | | | | | | |
| | 92 | | | | 235 | |
| | | | 17 | | 32 | |
| | | 17 | 18 | 18 | | |
| Fe | | | | 23 | | |

Name Key Date _____ Per. _____

Protons, Neutrons, and Electrons Practice Worksheet

Fill in the blanks in the following worksheet. Please keep in mind that a variety of isotopes and ions may be represented.

| Atomic Symbol | Atomic Number | Protons | Neutrons | Electrons | Mass Number (amu) | Average Atomic Mass (amu) |
|------------------|---------------|---------|----------|-----------|-------------------|---------------------------|
| B | 5 | 5 | 6 | 5 | 11 | 10.811 |
| Na | 11 | 11 | 13 | 11 | 24 | 22.99 |
| Be ²⁺ | 4 | 4 | 5 | 2 | 9 | 9.01 |
| Ga | 31 | 31 | 37 | 31 | 68 | 69.723 |
| Cu | 29 | 29 | 35 | 29 | 64 | 63.55 |
| Pb | 82 | 82 | 125 | 82 | 207 | 207.2 |
| ¹³ C | 6 | 6 | 7 | 6 | 13 | 12.01 |
| Br | 35 | 35 | 45 | 35 | 80 | 79.904 |
| N | 7 | 7 | 8 | 7 | 15 | 14.01 |
| ³ H | 1 | 1 | 2 | 1 | 3 | 1.0079 |
| K ⁺ | 19 | 19 | 20 | 18 | 39 | 39.10 |
| Mg ²⁺ | 12 | 12 | 12 | 10 | 24 | 24.31 |
| ⁴ He | 2 | 2 | 2 | 2 | 4 | 4.00 |
| U | 92 | 92 | 143 | 92 | 235 | 238.03 |
| P | 15 | 15 | 17 | 15 | 32 | 30.97 |
| Cl | 17 | 17 | 18 | 18 | 35 | 35.45 |
| Fe ³⁺ | 26 | 26 | 30 | 23 | 56 | 55.85 |