

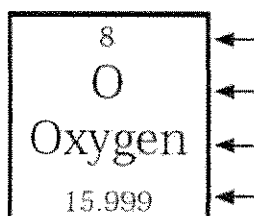
## Protons, Neutrons, and Electrons Practice Worksheet

Calculating the number of each particle in an atom:

# Protons = Atomic Number

# Electrons = Protons

# Neutrons = Atomic Mass – Atomic Number OR Big # - Small #



Use the periodic table to find the numbers of protons, neutrons, and electrons for atoms of the following elements.

| Name of Element | Element Symbol | Mass Number | Atomic Number | Protons | Neutrons | Electrons |
|-----------------|----------------|-------------|---------------|---------|----------|-----------|
| Boron           | B              | 11          | 5             | 5       | 6        | 5         |
| Sodium          |                | 24          | 11            |         |          |           |
|                 | Y              | 89          |               |         |          | 39        |
| Copper          |                |             | 29            |         | 35       |           |
|                 | Tc             | 98          |               | 43      |          |           |
|                 | Pb             | 207         |               |         |          |           |
| Thallium        |                | 204         | 81            |         |          |           |
|                 | H              |             |               |         | 0        |           |
| Carbon          |                | 12          |               |         |          |           |
|                 | N              |             |               | 7       |          |           |
|                 | Ba             |             |               |         |          | 56        |
| Calcium         |                |             |               |         |          |           |
|                 | Si             |             |               |         |          | 14        |
| Argon           |                |             | 18            |         |          |           |
|                 | Mg             |             |               | 12      |          | 12        |