**Electron Configurations**

Complete the following chart. (Hint: When calculating neutrons round the mass # to the nearest whole number)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Element symbol** | **Atomic #** | **Atomic Mass (Mass #)** | **Protons** | **Neutrons** | **Electrons** | **Electron Configuration** |
| He |  |  |  |  |  |  |
|  | 5 |  |  |  |  |  |
|  |  | 58.7 |  |  |  |  |
|  |  |  | 23 |  |  |  |
|  |  |  |  |  | 35 |  |
|  |  |  |  |  |  | 1s22s22p63s23p3 |
|  | 20 |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  | 29 |  |  |  |
|  |  |  |  |  | 47 |  |
|  |  |  |  |  |  | 1s22s22p5 |
| Ba |  |  |  |  |  |  |
|  |  |  |  |  | 22 |  |
|  |  | 35.5 |  |  |  |  |

Creating a Periodic Table