Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour\_\_\_\_\_\_\_\_\_\_

Use a periodic table of the elements to answer the following questions. Enter the symbol of the element that is found at the following locations:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Period | Group | Symbol | Period | Group | Symbol |
| 3 | 8 |  | 3 | 8 | *f* |
| 7 | 3 |  | 4 | 17 |  |
| 2 | 1 |  | 5 | 9 |  |

Enter the period and group numbers for the elements listed:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Element** | **Period** | **Group** | **Element** | **Period** | **Group** |
| **Co** |  |  | **Hf** |  |  |
| **Rutherfordium** |  |  | **Flourine** |  |  |
| **Atomic # 49** |  |  | **Sn** |  |  |

How many protons do the following elements have?

|  |  |  |  |
| --- | --- | --- | --- |
| **Element** | **Protons** | **Element** | **Protons** |
| **W** |  | **Ir** |  |
| **Rutherfordium** |  | **Atomic # 52** |  |

How many neutrons does a typical atom of the following elements have?

|  |  |  |  |
| --- | --- | --- | --- |
| Element | Neutrons | Element | Neutrons |
| Zr |  | Mg |  |
| Cesium | - | Nitrogen |  |
| Atomic Number 23 |  | Atomic Number 4 |  |

Fill in the blanks in the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Symbol | At.# | Protons | Electrons | Neutrons |
| Xenon |  |  |  |  |  |
|  | Br |  |  |  |  |
|  |  |  |  | 87 |  |