**Introduction to Electrons Homework**

1. Fill in the following table. Assume all elements have a neutral charge.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | *28Al* | 52Cr |  |  |  |  | 140Cs |  |  |  |  | 14C |
| **Protons** | *13* |  | 25 |  |  | 82 |  | 73 |  |  | 53 |  |
| **Neutrons** | *15* |  | 30 | 64 |  |  |  | 81 | 40 |  |  |  |
| **Electrons** | *13* |  |  | 48 | 86 |  |  |  | 35 | 16 |  |  |
| **Mass No.** | *28* |  |  |  | 222 | 207 |  |  |  | 36 | 131 |  |

1. Fill in the following table.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | *42Ca+2* | 59Co+3 |  |  |  |  | 70Zn+1 | 94Sr+2 |  |  |  | 110Ag+1 |
| **Protons** | *20* |  | 34 | 76 | 80 |  |  |  | 29 | 53 |  |  |
| **Neutrons** | *22* |  | 46 | 116 | 120 | 23 |  |  | 34 | 70 | 80 |  |
| **Electrons** | *18* |  | 36 |  | 78 | 19 |  |  | 27 |  | 80 |  |
| **Net Charge** | *+2* |  |  | +2 |  | -3 | +1 |  |  | -1 | +3 |  |