Science 10: Worksheet About Atoms of Elements

Each atom contains PROTONS, NEUTRONS and ELECTRONS. The protons and neutrons each have a mass of 1. The electrons have a mass of 0.

Try to complete the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Element** | **Protons** | **Neutrons** | **Mass** |
| Ca | 20 | 20 |  |
| Co | 27 | 32 |  |
| P | 15 |  | 31 |
| H |  | 0 | 1 |
| Ra | 88 |  | 226 |
| F | 9 |  | 19 |
| Au | 79 |  | 197 |

Now use your periodic table to complete the table below. Round the masses in the table to the nearest whole number. For example the mass of Niobium (Nb) is given as 92.9, round that to 93.

|  |  |  |  |
| --- | --- | --- | --- |
| **Element** | **p** | **n** | **M** |
| Nb | 41 | 52 | 93 |
| Mg |  |  | 24 |
|  | 37 |  | 86 |
|  | 7 |  |  |
| Ba |  |  | 137 |
|  | 14 | 14 |  |
| Sg | 106 |  |  |