|  |  |
| --- | --- |
| **Science 8**  **Subatomic Particles Worksheet!** | **Name: Date: Block:** |

1. What does the atomic number represent?
2. What does the atomic mass (mass number) represent?
3. How do you calculate the number of neutrons an atom has? Give an example.
4. If a neutral atom has 18 protons, how many electrons does it have? Explain your answer.
5. Fill in the following table:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Element Symbol** | **Element Name** | **Atomic Number** | **Atomic Mass** | **Number of Protons** | **Number of Neutrons** | **Number of Electrons** |
| Ne |  |  |  |  |  |  |
|  | Calcium |  |  |  |  |  |
|  |  | 73 |  |  |  |  |
|  |  |  | 197.0 |  |  |  |
|  |  |  |  | 86 |  |  |
|  |  |  |  |  | 5 |  |
|  |  |  |  |  |  | 100 |

|  |  |
| --- | --- |
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|  |  |  |  |  | 5 |  |
|  |  |  |  |  |  | 100 |