

## Atomic Structure Worksheet

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_

1. Name the three particles of the atom and their respective charges are:
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
2. The number of protons in one atom of an element determines the atom's \_\_\_\_\_, and the number of electrons determines \_\_\_\_\_ of an element.
3. The atomic number tells you the number of \_\_\_\_\_ in one atom of an element. It also tells you the number of \_\_\_\_\_ in a neutral atom of that element. The atomic number gives the "identity" of an element as well as its location on the Periodic Table. No two different elements will have the \_\_\_\_\_ atomic number.
4. The \_\_\_\_\_ of an element is the total number of protons and neutrons in the \_\_\_\_\_ of the atom.
5. The mass number is used to calculate the number of \_\_\_\_\_ in one atom of an element. In order to calculate the

# Atomic Structure Packet 1 Answers

**Ann Daniels**

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