Atomic Structure Worksheet

1. List the three primary subatomic particles found in an atom?
   a. _____
   b. _____
   c. _____

2. What are their respective charges?
   a. _____ (Positive/Negative/Neutral)
   b. _____ (Positive/Negative/Neutral)
   c. _____ (Positive/Negative/Neutral)

3. Which subatomic particle determines the identity of an element?
   - The number of _____ defines which element an atom belongs to.

4. How is the atomic number related to protons and electrons?
   - The atomic number of an element is equal to the number of _____.
   - In a neutral atom, the number of _____ is also the same as the atomic number.

5. What is the formula to calculate the number of neutrons in an atom?
   - _____ – _____ = Number of Neutrons