Atomic Definitions

Complete the definitions below about atoms.

1. *Matter* is anything that has ___________ and takes up ___________.
2. An *Atom* is the smallest unit of _________________.
3. *Protons* are the sub-atomic particles that are ____________-charged and situated in the nucleus of the atom.
4. *Neutrons* are the sub-atomic particles that are ____________-charged and situated in the nucleus of the atom.
5. *Electrons* are _________________.
6. The *Atomic Number* is the number of _________________.
7. The *Mass Number* is the total number of _________________.
8. An *Ion* is a charged ________________ that has either lost or gained negatively-charged _________________.
9. A *Negative Ion* is a charged atom that has ________________ electrons.
10. A *Positive Ion* is a charged atom that has ________________ electrons.
11. An *Element* is a pure substance that is made of only ______ type of atom (e.g. gold, oxygen).
12. A *Compound* is a pure substance that is made of _____________.

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