Worksheet 1: Atomic structure and the Periodic Table

Complete the following sentences and definitions to give a summary of this topic.

Structure of an atom

The nucleus contains …

The electrons are found in the …

To work out the number of each sub-atomic particle in an atom we use the Periodic Table (PT). The number of protons is given by …

In a neutral atom the number of electrons is …

To work out the number of neutrons we …

Vocabulary

**State what is meant by the following terms.**

1. Relative atomic mass
2. Relative molecular mass
3. Isotope
4. Relative isotopic mass

Structure of an ion

When an atom becomes an ion, only the number of changes.

For positive ions this by the number equivalent to the charge on the ion.

For negative ions this by the number equivalent to the charge on the ion.