**Periodic Table**

The periodic table is arranged according to **increasing atomic number**.



The vertical columns are called **groups**

The horizontal rows are called **periods**

The periodic table can be split into 2 distinct parts – **metals** and **non-metals**

|  |  |
| --- | --- |
| **Metals** | **Non-metals** |
|  |  |
|  |  |
|  |  |

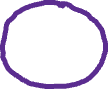
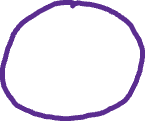
**Drawing atoms**

We can draw diagrams to show where the electrons are found in the atom.

\*The first shell can hold 2 electrons, the rest of the shells can hold 8 electrons



E.g. Oxygen Chlorine



The number of shells = the period number

The number of outer electrons = the group number

**Chemical reactions**

Elements in the same group have similar chemical reactions as they have the same number of outer shell electrons