

The Periodic Table

A Gap fill exercise

Complete the gap fill below using the words in the box:

cations	shells	electrons	atomic
elements	mass	protons	nucleus
neutrons	equal	anions	trends

The periodic table is used to arrange _____ in a way that allows people to understand the various behaviours and _____ that characterise them. A _____, is at the centre of an atom, and it contains positively charged _____ and _____, which have no charge. _____ travel around the positive nucleus and they are held in _____. Each symbol has an _____ number that indicates the number of protons in the atom, and a _____ number that indicates the number of protons and neutrons within an atom. The number of protons is usually _____ to the number of electrons, although ions are formed when the net charge is not zero. Positively charged ions are called _____, whereas negatively charged ions are called _____.