

Keywords: Autumn 2

Science

Introduction to the topic: Atomic Structure

What lessons will you cover during the topic?

Learning about the structure of atoms, the arrangement of sub-atomic particles, development of models of atoms & how the number of electrons on an atom can affect it's properties.

Keyword	Definition
Atom	The smallest part of an element that can exist.
Nucleus	The central part of an atom. It contains protons and neutrons, and has most of the mass of the atom. The plural of nucleus is nuclei.
Mixture	A mixture contains different substances that are not chemically joined to each other.
Reactivity	measure of how much a substance reacts when it is mixed with another substance
Electron	Subatomic particle, with a negative charge and a negligible mass relative to protons and neutrons.
Element	A substance made of one type of atom only.
Molecule	A collection of two or more atoms held together by chemical bonds.
Plum Pudding Model	The scientific idea that an atom is a sphere of positive charge, with negatively charged electrons in it.
Hazard	A danger or risk, in this context caused by radiation.