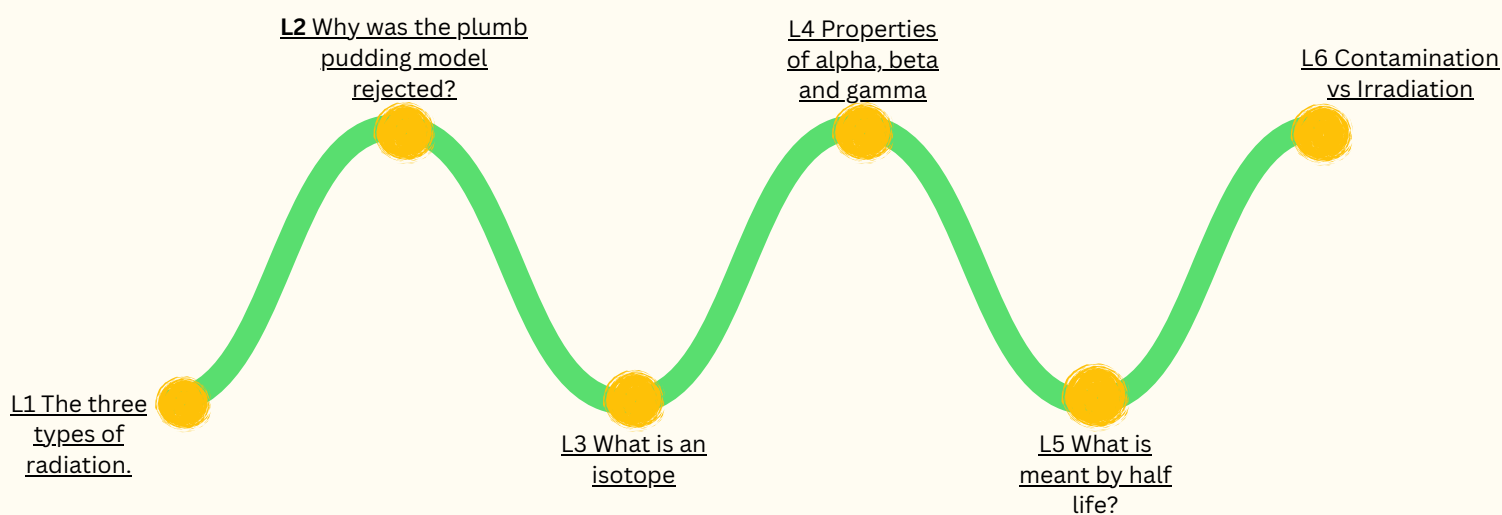


# P4 Atomic Structure Combined

## Physics Paper 1

In Atomic Structure, you will learn about the structure of the atom and how ideas about the atom have developed over time. They will study the properties and roles of protons, neutrons, and electrons, as well as the concept of isotopes. The topic covers the nature of radioactive decay, types of radiation, and how to calculate half-life. You will also explore how radiation is used in medicine and industry, along with the potential risks and safety precautions.



## Key words

- alpha
- beta
- gamma
- activity
- atomic number
- chain reaction
- count rate
- half-life
- ionisation
- irradiated
- isotopes
- mass number
- radioactive contamination

## Revision Resources

[Sample exam style questions](#)

[Cognito Topic 4 Atomic structure](#)

[BBC Atomic Structure](#)

[Free Science Lessons](#)

[Seneca Learning](#)