

No books or notes may be taken into the exam
Counts 10% to final grade.

Write an essay (no figures, about 3-4 hand-written single-spaced single-side pages) based on the content of the textbook in

either

Chapter 5 (Quantum Mechanics)

or

Chapter 6 (Atoms)

Your essay should **state** the key **principles** and **describe** the main **experiments and observations**. It should use the principles to **explain** these experiments and observations.

Tips

To receive credit your writing must be literate- & legible-enough to convey the meaning clearly.

Giving a historical or personal narrative, writing about science other than Quantum Mechanics or Atoms, just naming things, etc. will not earn any credit.

Correct and comprehensive descriptions and explanations of the science in either chapter 5 or chapter 6 will earn credit.

It is suggested that you write a full draft of the essay beforehand, making sure you can cover all relevant aspects in 50 minutes.

prin-ci-ple Noun

A fundamental truth or proposition that serves as the foundation for a system of belief or behavior or for a chain of reasoning

de-scribe Verb

Give an account in words of something, including all the relevant characteristics, qualities, or events.

ex-plain Verb

Account for (an action or event) by giving a reason as justification.