

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

Write an essay, no figures, about 3 hand-written single-spaced single-side pages, on **either** “Quantum Mechanics” (chapter 5) **or** “Atoms” (chapter 6).

Your essay should:

- 30% **State** the key **principles**
- 30% **Describe** the main (real and thought) experiments and observations
- 30% **Explain** these experiments and observations using the principles
- 10% be literate & legible enough to convey your 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, concise, and comprehensive descriptions and explanations of the science of quantum mechanics or atoms will earn credit.