

CHAPTER OVERVIEW

16: Matter

We've concentrated primarily on electrons throughout this course. Indeed, in our everyday life, it is the interactions of electrons that, together with photons (light), drive most of what we do. In this final chapter, we'll peer down inside the atom to see what the most fundamental particles are, and then extend our view out to bulk states comprised of large numbers of electrons.

[16.1: The Standard Model of Particle Physics](#)

[16.2: Nuclei and Atoms](#)

[16.3: Molecules](#)

[16.4: Solids](#)

[16.5: Liquids, Gasses, and Plasmas](#)

[16.5.1: Quantum Gasses](#)

[16.6: Planets, Stars, Galaxies, and Clusters](#)

[16.7: Dark Matter and Dark Energy](#)

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