

CHAPTER OVERVIEW

12: Liquids, Solids, and Intermolecular Forces

In [Chapter 6](#), we discussed the properties of gases. In this chapter, we consider some properties of liquids and solids. As a review, the table below lists some general properties of the three phases of matter.

General properties of the three phases of matter.

Phase	Shape	Density	Compressibility
Gas	fills entire container	low	high
Liquid	fills a container from bottom to top	high	low
Solid	rigid	high	low

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[12.2: Properties of Liquids and Solids](#)

[12.3: Intermolecular Forces in Action- Surface Tension and Viscosity](#)

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[12.6: Intermolecular Forces- Dispersion, Dipole–Dipole, Hydrogen Bonding, and Ion-Dipole](#)

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[12.8: Water - A Remarkable Molecule](#)

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