



Flipping Physics Lecture Notes:
3 States of Matter – Solid, Liquid, Gas
<http://www.flippingphysics.com/solid-liquid-gas.html>

On Earth, the three most common states, or phases, of matter are solid, liquid, and gas.

This table describes the differences between them:

	<i>Fluid</i>		
	Solid	Liquid	Gas
Fixed Shape?	Yes	No	No
Fixed Volume?	Yes	Yes	No
Distance between particles	Small	Almost as Small as a Solid	Large
Force of attraction between particles	Large	Medium	Small
Kinetic Energy of Particles	Small	Medium	Large
Example: H ₂ O	Ice	Water	Water Vapor