

# Strange matter

Strange matter is a form of [quark matter](#), matter that consist primarily of [quarks](#). Strange matter is a 'liquid' made of [up](#), [down](#), and [strange](#) quarks, and is different to [non-strange quark matter](#) because non-strange quark matter contains only up and down quarks, while strange quark matter has strange quarks as well. Strange matter is thought to exist in the cores of [neutron stars](#). Strange matter only exists at extremely high [densities](#) (like in cores of neutron stars). 'Charm matter', quark matter made of [charm quarks](#) could be possible, but only at much higher densities.

<a href="#">States of matter</a>	
	<ul style="list-style-type: none"><li>• <a href="#">v</a></li><li>• <a href="#">t</a></li><li>• <a href="#">e</a></li></ul>
State	<ul style="list-style-type: none"><li>• <a href="#">Solid</a></li><li>• <a href="#">Liquid</a></li><li>• <a href="#">Gas / Vapor</a></li><li>• <a href="#">Plasma</a></li></ul>
Low energy	<ul style="list-style-type: none"><li>• <a href="#">Bose–Einstein condensate</a></li><li>• <a href="#">Fermionic condensate</a></li><li>• <a href="#">Strange matter</a></li><li>• <a href="#">Superfluid</a></li><li>• <a href="#">Supersolid</a></li><li>• <a href="#">Degenerate matter</a></li><li>• <a href="#">Quantum Hall</a></li><li>• <a href="#">Rydberg matter</a></li><li>• <a href="#">Rydberg polaron</a></li><li>• <a href="#">Photonic molecule</a></li></ul>
High energy	<ul style="list-style-type: none"><li>• <a href="#">QCD matter</a></li><li>• <a href="#">Lattice QCD</a></li><li>• <a href="#">Quark-gluon plasma</a></li><li>• <a href="#">Color-glass condensate</a></li><li>• <a href="#">Supercritical fluid</a></li></ul>
Other states	<ul style="list-style-type: none"><li>• <a href="#">Colloid</a></li><li>• <a href="#">Glass</a></li><li>• <a href="#">Crystal</a></li><li>• <a href="#">Liquid crystal</a></li></ul>

- [Time crystal](#)
- [Dark matter](#)
- [Antimatter](#)
- [String-net liquid](#)
- [Magnetically ordered](#)
  - [Ferromagnet](#)
  - [Antiferromagnet](#)
  - [Ferrimagnet](#)
- [Quantum spin liquid](#)
- [Exotic matter](#)
- [Programmable matter](#)
- [Superglass](#)

### **[Transitions](#)**

- [Boiling](#)
- [Boiling point](#)
- [Condensation](#)
- [Critical point](#)
- [Crystallization](#)
- [Deposition](#)
- [Evaporation](#)
- [Freezing](#)
- [Ionization](#)
- [Melting](#)
- [Melting point](#)
- [Sublimation](#)
- [Triple point](#)
- [Vaporization](#)
- [Critical line](#)
- [Flash evaporation](#)
- [Chemical ionization](#)
- [Lambda point](#)
- [Recombination](#)
- [Regelation](#)
- [Saturated fluid](#)
- [Supercooling](#)
- [Vitrification](#)

<b>Quantities</b>	<ul style="list-style-type: none"> <li>• <a href="#">Enthalpy of fusion</a></li> <li>• <a href="#">Enthalpy of vaporization</a></li> <li>• <a href="#">Latent heat</a></li> <li>• <a href="#">Latent internal energy</a></li> <li>• <a href="#">Trouton's rule</a></li> <li>• <a href="#">Volatility</a></li> <li>• <a href="#">Enthalpy of sublimation</a></li> </ul>
<b>Concepts</b>	<ul style="list-style-type: none"> <li>• <a href="#">Superconductivity</a></li> <li>• <a href="#">Equation of state</a></li> <li>• <a href="#">Baryonic matter</a></li> <li>• <a href="#">Binodal</a></li> <li>• <a href="#">Compressed fluid</a></li> <li>• <a href="#">Cooling curve</a></li> <li>• <a href="#">Leidenfrost effect</a></li> <li>• <a href="#">Macroscopic quantum phenomena</a></li> <li>• <a href="#">Mpemba effect</a></li> <li>• <a href="#">Order and disorder (physics)</a></li> <li>• <a href="#">Spinodal</a></li> <li>• <a href="#">Superheated vapor</a></li> <li>• <a href="#">Superheating</a></li> <li>• <a href="#">Thermo-dielectric effect</a></li> </ul>

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