

10. a nonsolid state of matter in which the atoms or molecules are free to move past each other, as in a gas or liquid
11. the laws that state the mathematical relationships between the volume, temperature, pressure, and quantity of a gas
12. the change of state from a liquid to a gas
13. the process in which a solid changes directly into a gas (the term is sometimes also used for the reverse process)
14. the total kinetic energy of a substance's atoms