

[The page contains several paragraphs of handwritten text in blue ink on lined paper. The text is extremely blurry and illegible due to the low resolution and motion blur of the scan.]

Kinetic theory of gas

The kinetic theory of gases is a historically significant, but simple, model of the thermodynamic behavior of gases, with which each many principal concept of thermodynamics were established. The model describes a gas as a large number of identical

~~sub~~ submicroscopic particles, all of which are in constant, rapid, random motion. Their size is assumed to be much smaller than the average distance between the particles. The particles undergo random elastic collisions between themselves and with the enclosing walls of the container. The basic version of the model describes the ideal gas and considers no other interactions between the particles and thus the interactions