



Science Virtual Learning

MPI Physics 240

Thermodynamics 12: How Flying Particles Become a Gas

May 7, 2020



Lesson: MPI Thermodynamics 12 - How Flying Particles
Become a Gas
May 7, 2020

Objective: To understand how the basic laws of Physics, applied to each molecule in a gas, give rise to the Ideal Gas Law, and explain the true meaning of Temperature

This video shows how the Ideal Gas Law is really just the basic laws of physics applied to flying molecules, and averaged over a large number of particles.

<https://youtu.be/jQptSq5wtM8>

Video: Ideal Gas Law



Homework

- Answer in words:
 1. Knowing that a gas is nothing more than a bunch of very small flying particles, explain why the pressure of a gas increases with temperature.
 2. What does temperature actually measure?



That's it!

