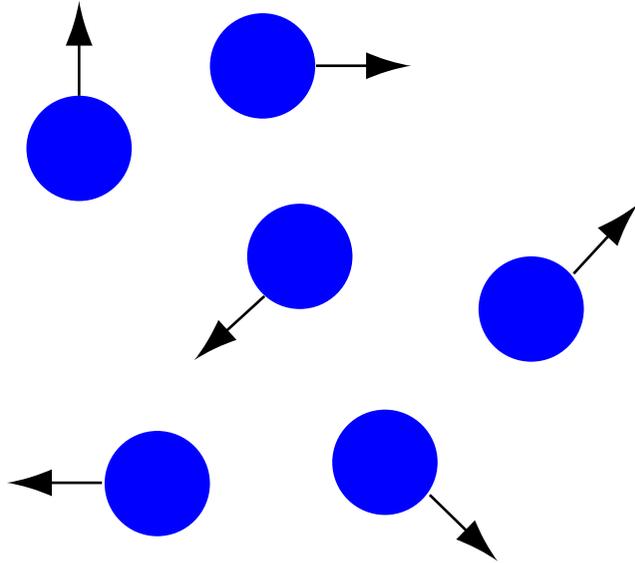
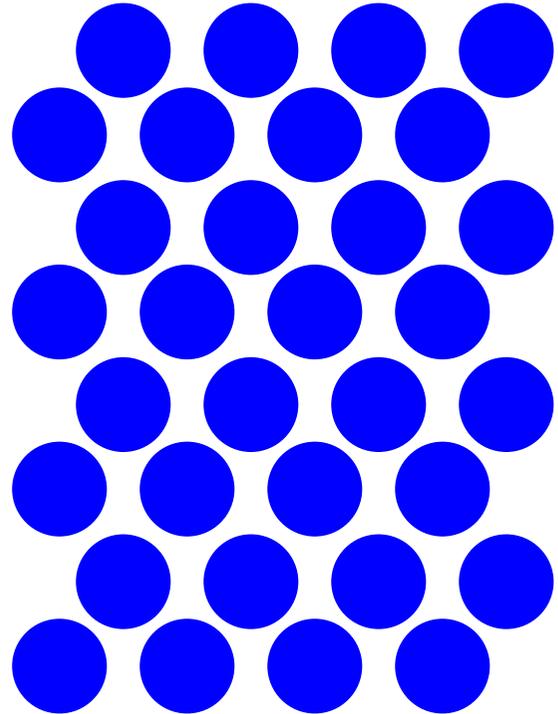


In a high density gas, the atoms are not as free to move and they become degenerate



Normal gas



Degenerate Gas

The result is you can increase the temperature of the gas (the atoms can wiggle more) but the pressure stays constant (they have nowhere to move).