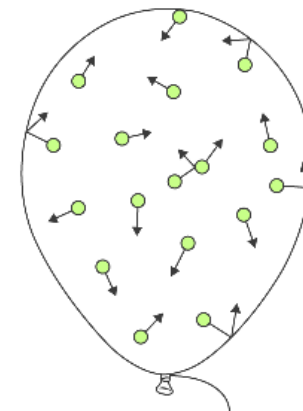


1.Keyword	Definition
Pressure	Force divided by area
Density	The mass per unit of volume of a substance
Moment	Turning force around a pivot

## 2. Pressure in gases

Affected by changes in volume and in temperature  
 Increase temperature increases pressure  
 Decreasing volume (but not mass of gas) increases pressure

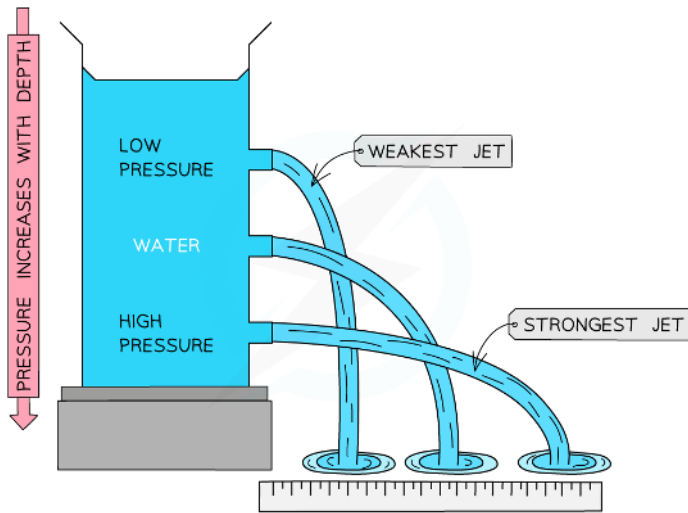
Movement of Gas Particles in a Container



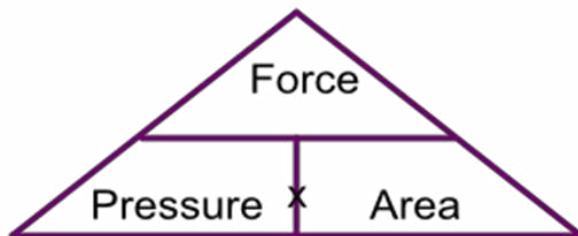
When gas particles collide with the inside walls of their container, they cause pressure.

## 2. Pressure in liquids

Acts in all directions

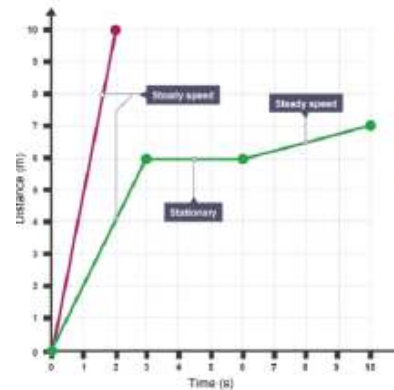


$$\text{Pressure (N/m}^2\text{)} = \text{Force (N)} / \text{Area (m}^2\text{)}$$



## Distance Time Graphs

A distance time graph is a useful way to represent the motion of an object. It shows how the distance moved from a starting point changes over time.



If the line is horizontal, the object is stationary (because the distance stays the same).  
 If the line is a straight diagonal, the object is moving at a constant speed.

The steeper the line, the greater the gradient and the greater the speed.

## 3. Motion keywords

Accelerate	Speeding up
Decelerate	Slowing down
Constant speed	Staying the same speed
Stationary	Not moving