

Acceleration of Gravity

Gravity is an accelerating force, equal to:
 9.8 m/sec^2 .

This is how fast gravity accelerates all objects on Earth, when air resistance isn't a factor.

Some objects, due to their shape, size, surface area, speed and density, experience what is called:

Air Resistance: the force air exerts on moving objects.

Terminal Velocity: the highest velocity a falling object can reach. It is affected by the same factors that affect air resistance.

Free Fall: an object falling under the influence of gravity.