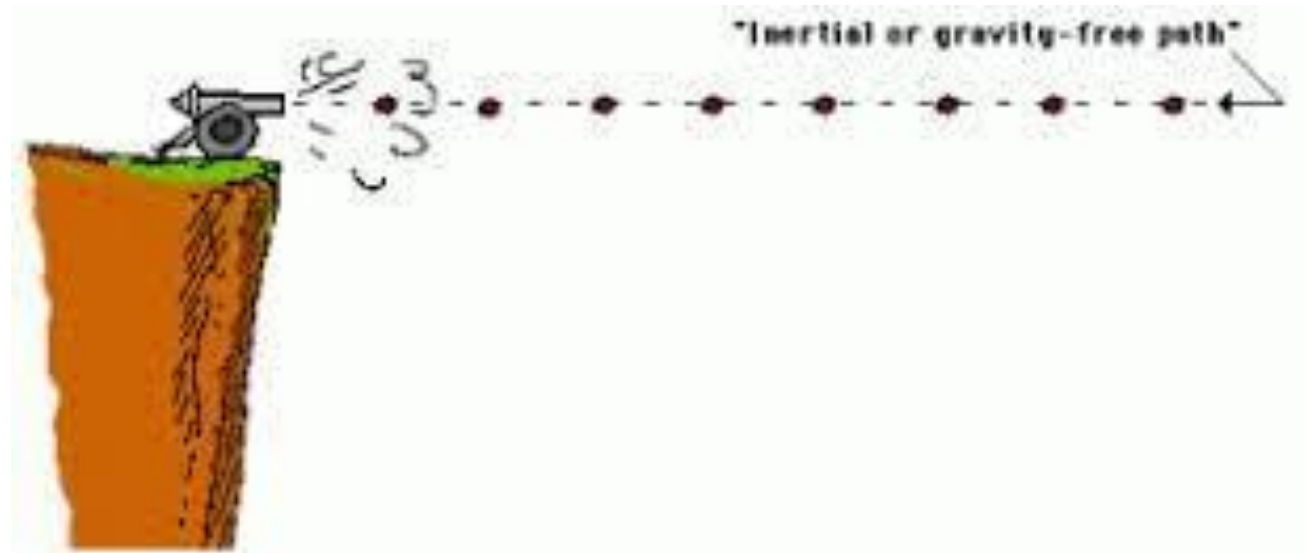
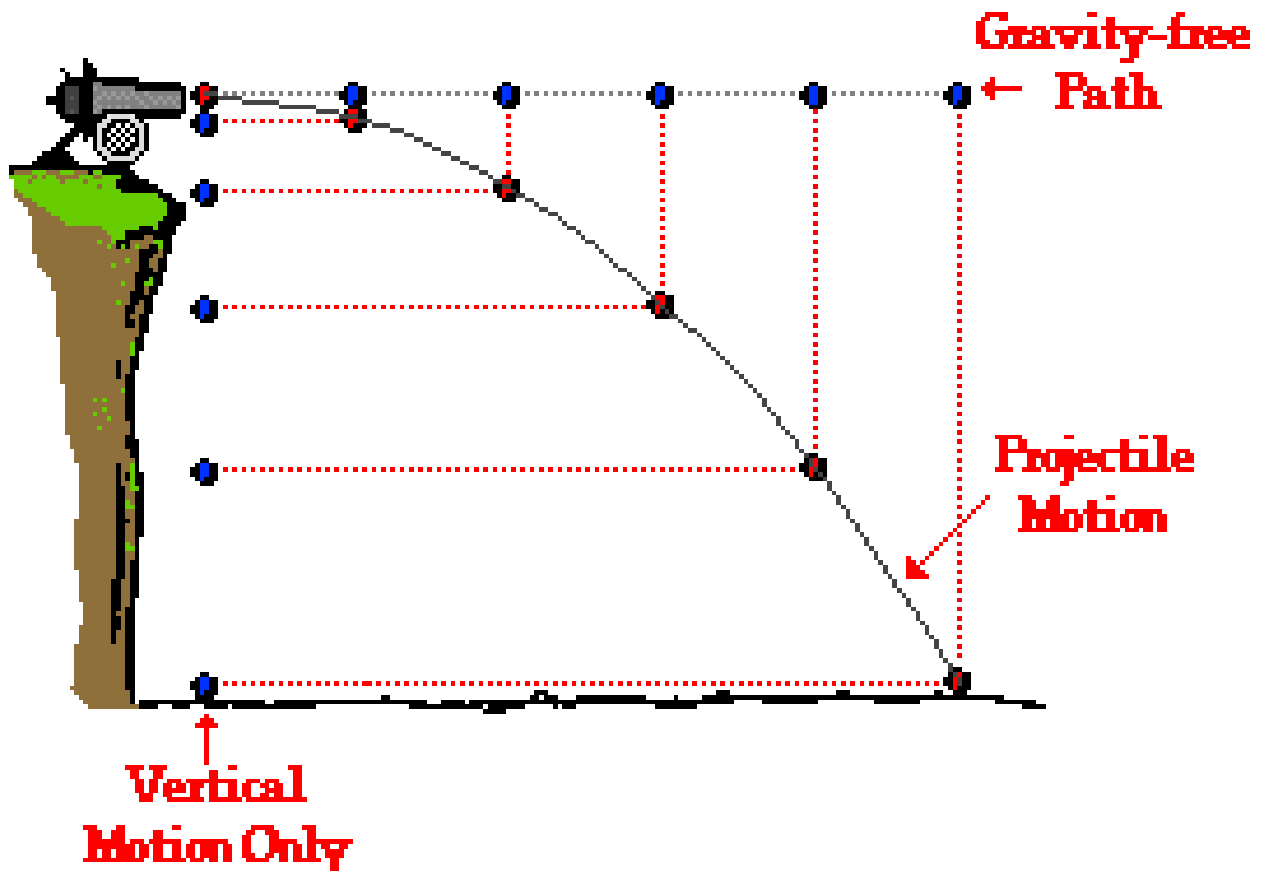


Projectile Motion Features



Without gravity, an object in motion will continue in motion with the same speed and in the same direction.



- Vertically, projectiles obey Galileo's law of falling bodies which is characterized by uniform acceleration. Gravity acts to overcome the projectile's inertia.
- Horizontally, projectiles move with uniform velocity as there is no force in this direction to overcome the projectile's inertia.
- The combination of these two simultaneous motions create the characteristic parabolic gravitational trajectory.

