Free-fall and projectile motion

Free-fall	**Free-fall** (on Earth)	**Projectile motion** (on Earth)
• Object is subjected only to gravitational force(s)	• Object is near surface of Earth • Object is subjected only to gravitational force exerted by Earth (so $\vec{a} = 9.8\frac{m}{s^2}\vec{u}_{DOWNWARD}$)	
		• $v_{HORIZ} \neq 0$