

Earth's Gravity

[@wikipedia](#)

(1)

$F = m \cdot g$

where

$g = G \cdot \frac{M_{\oplus}}{R_{\oplus}^2} = 9.80665 \text{ m/s}^2$	Standard gravity constant
$M_{\oplus} = 5.9722 \cdot 10^{24} \text{ kg}$	Earth's mass
$R_{\oplus} = 6,378 \text{ km}$	Earth's radius

See also

[Natural Science](#) / [Physics](#) / [Mechanics](#) / [Gravity Force](#)

[[Earth](#)] [[Standard gravity constant](#)][[Earth's Gravity Centre](#)][[Earth's Gravity Direction](#)][[Gravity vector](#)]