

NAME	SYMBOL	VALUE
Acceleration due to gravity	$g$	$9,8 \text{ m} \cdot \text{s}^{-2}$
Universal gravitational constant	$G$	$6,67 \times 10^{-11} \text{ N} \cdot \text{m}^2 \cdot \text{kg}^{-2}$
Radius of the Earth	$R_E$	$6,38 \times 10^6 \text{ m}$
Mass of the Earth	$M_E$	$5,98 \times 10^{24} \text{ kg}$
Speed of light in a vacuum	$c$	$3,0 \times 10^8 \text{ m} \cdot \text{s}^{-1}$
Planck's constant	$h$	$6,63 \times 10^{-34} \text{ J} \cdot \text{s}$
Coulomb's constant	$k$	$9,0 \times 10^9 \text{ N} \cdot \text{m}^2 \cdot \text{C}^{-2}$
Charge on electron	$e$	$-1,6 \times 10^{-19} \text{ C}$
Electron mass	$m_e$	$9,11 \times 10^{-31} \text{ kg}$

## PHYSICS DATA SHEET 2 - PHYSICAL CONSTANTS