



Earth fact Sheet

Properties

Mass	5.9736 x 10 ²⁴ kg
Radius	6371.0 km
Density	5515 kg/m ³
Surface gravity	9.8 m/s ²
Escape velocity	11.2 km/s

Orbit

Orbit period	365.3 days
Mean orbital velocity	29.8 km/s
Rotation period	23.9 hrs
Tilt of axis to orbit	23.5°

Atmosphere

Surface Pressure	1014 mbar
Surface density	1.2 kg/m ³
Height	8.5 km
Average temperature	288 K
Wind speeds	0 – 100 m/s
Main gases in the air	Nitrogen – 78.1%, Oxygen – 20.9%
Other gases in the air (in decreasing amounts)	Argon; Carbon Dioxide; Neon; Helium; Methane; Krypton; Hydrogen. Water vapour content changes.



A picture of the Earth taken from on board the Space Shuttle.
(Image courtesy of NASA)