

Air (chemical substance)

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Chemical substance constituting the [Atmosphere of Earth](#).

The main composition compounds are: [Nitrogen N₂](#) (78%), 20.95% [Oxygen O₂](#) (21%), [Argon Ar](#) (0.9%) and [Carbon dioxide CO₂](#) (0.04%).

The [Density](#) is 1.2754 [kg/m³](#) at [STP](#).

Table 1. [Atmosphere of Earth](#) composition

Average composition of dry atmosphere (mole fractions)	
Gas	
Nitrogen , N ₂	78.084%
Oxygen , O ₂ ^[1]	20.946%
Minor constituents (mole fractions in ppm)	
Argon , Ar	9340
Carbon dioxide , CO ₂	400
Neon , Ne	18.18
Helium , He	5.24
Methane , CH ₄	1.7
Krypton , Kr	1.14
Hydrogen , H ₂	0.55
Nitrous oxide , N ₂ O	0.5
Xenon , Xe	0.09
Nitrogen dioxide , NO ₂	0.02
Water	
Water vapour	Highly variable; typically makes up about 1%

See also

[Natural Science](#) / [Physics](#) / [Chemistry](#) / [Chemical Substance](#)

[[Air \(Atmosphere of Earth\)](#)]

