

Sun

(Astronomy Today, p. 398)

H – 91.2 %

He – 8.7 %

O2 – 0.078 %

C – 0.043 %

N2 – 0.0088 %

Si – 0.0045 %

Mg – 0.0038 %

Ne – 0.0035 %

Fe – 0.0030 %

S – 0.0015%

Venus

(Astronomy Today, p. 230)

CO2 – 96.5 %

H2O vapor – trace amounts

CO - trace amounts

SO2 – trace amounts

Ar – trace amounts

Earth

(Astronomy Today, p. 163)

N2 – 78 %

O2 – 21 %

Ar – 0.9 %

Mars

(Astronomy Today, p. 256)

CO2 – 95.3 %

N2 – 2.7 %

Ar – 1.6 %

O2 – 0.13%

CO – 0.07%

Jupiter

(Astronomy Today, p. 268)

H2 – 86.1 %

He – 13.8%

CH3 – trace amounts

H2O – trace amounts

NH₃ – trace amounts

1 From: space.com/17160-sun-atmosphere.htm

2 From: <http://astronomyonline.org/SolarSystem/SunDetails.asp>

3 From: http://pages.uoregon.edu/jimbrau/BraulmNew/Chap09/7th/AT_7e_Figure_09_17.jpg

4 From: <http://www.geocoops.com/structure-of-the-atmosphere.html>

5 From: http://pages.uoregon.edu/jimbrau/BraulmNew/Chap10/7th/AT_7e_Figure_10_20.jpg

6 From: <http://lifeng.lamost.org/courses/astrotoday/CHAISSON/AT311/HTML/AT31102.HTM>