

Element Composition of the Mantle versus the Bulk Earth ¹

Mantle Abundance (weight %)		Bulk Earth Abundance (weight %)	
O (Oxygen)	44.79	O (Oxygen)	32.436
Si (Silicon)	21.521	Si (Silicon)	17.221
Al (Aluminum)	2.164	Al (Aluminum)	1.507
Mg (Magnesium)	22.784	Mg (Magnesium)	15.866
Fe (Iron)	5.818	Fe (Iron)	28.176
Ca (Calcium)	2.308	Ca (Calcium)	1.607
K (Potassium)	0.0280	K (Potassium)	0.0192
Na (Sodium)	0.264	S (Sulphur)	0.7010
Mn (Manganese)	0.116	Na (Sodium)	0.249
Ti (Titanium)	0.112	Ti (Titanium)	0.0710
Ni (Nickel)	0.200	Ni (Nickel)	1.6147
Cr (Chromium)	0.270		

1. All data from Allegre et al. (1995)