

## Group 16 (Oxygen group) elements Physical Properties

The common physical properties of the group 16 elements are listed in the Table.

### Physical properties of group 16 elements

Property	Oxygen	Sulphur	Selenium	Tellurium	Polonium
Physical state at 293 K	Gas	Solid	Solid	Solid	Solid
Atomic Number	8	16	34	52	84
Isotopes	$^{16}\text{O}$	$^{32}\text{S}$	$^{80}\text{Se}$	$^{130}\text{Te}$	$^{209}\text{Po}$ , $^{210}\text{Po}$
Atomic Mass (g.mol <sup>-1</sup> at 293 K)	15.99	32.06	78.97	127.60	209
Electronic configuration	$[\text{He}]2s^2 2p^4$	$[\text{Ne}]3s^2 3p^4$	$[\text{Ar}]3d^{10} 4s^2 4p^4$	$[\text{Kr}]4d^{10} 5s^2 5p^4$	$[\text{Xe}] 4f^{14} 5d^{10} 6s^2 6p^4$
Atomic radius (Å)	1.52	1.80	1.90	2.06	1.97
Density (g.cm <sup>-3</sup> at 293 K)	$1.3 \times 10^{-3}$	2.07	4.81	6.23	9.20
Melting point (K)	54	388	494	723	527
Boiling point (K)	90	718	958	1261	1235