

Physical properties of group 14 elements

Some of the physical properties of the group 14 elements are listed below

Property	Carbon	Silicon	Germanium	Tin	Lead
Physical state at 293 K	Solid	Solid	Solid	Solid	Solid
Atomic Number	6	14	32	50	82
Isotopes	^{12}C , ^{13}C , ^{14}C	^{28}Si , ^{30}Si	^{73}Ge , ^{74}Ge	^{120}Sn	^{208}Pb
Atomic Mass (g.mol ⁻¹ at 293 K)	12.01	28.09	72.63	118.71	207.2
Electronic configuration	[He]2s ² 2p ²	[Ne]3s ² 3p ²	[Ar]3d ¹⁰ 4s ² 4p ²	[Kr]4d ¹⁰ 5s ² 5p ²	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ²
Atomic radius (Å)	1.70	2.10	2.11	2.17	2.02
Density (g.cm ⁻³ at 293 K)	3.51	2.33	5.32	7.29	11.30
Melting point (K)	Sublimes at	1687	1211	505	601
Boiling point (K)	4098	3538	3106	2859	2022