

Isotopes of Bohrium

Isotope	Atomic Mass	Half-life	Mode of Decay	Nuclear Spin	Nuclear Magnetic Moment
Bh-260	260.1218	No data available	α to Db-256	No data available	No data available
Bh-261	261.1218	0.0118 seconds	α to Db-257; SF	No data available	No data available
Bh-262	262.12293	0.102 seconds	α to Db-258; SF	No data available	No data available
Bh-263	263.1231	No data available	No data available	No data available	No data available
Bh-264	264.1247	0.44 seconds	α to Db-260	No data available	No data available
Bh-265	265.1251	No data available	No data available	No data available	No data available
Bh-266	266.1270	No data available	α to Db-262	No data available	No data available
Bh-267	267.1277	No data available	α to Db-263	No data available	No data available
Bh-271	271	No data available	α to Db-267	No data available	No data available
Bh-272	272	9.80 seconds	α to Db-268	No data available	No data available



Bohrium is a synthetic element (an element that can be created in a laboratory but is not found in nature). It was first convincingly synthesized in 1981 by a German research team led by Peter Armbruster and Gottfried Münzenberg at the Institute for Heavy Ion Research (Gesellschaft für Schwerionenforschung) in Darmstadt, Germany. It is named for Niels Bohr, the Danish physicist — in fact, one of the names originally proposed for the element was *nielsbohrium*.

Bohrium has no stable or naturally-occurring isotopes. The most stable known isotope, Bohrium-270, has a half-life of approximately 61 seconds.

Properties of Bohrium

Name	Bohrium
Symbol	Bh
Atomic number	107
Atomic weight	[272]
Standard state	Presumably a solid at 298 °K
CAS Registry ID	54037-14-8
Group in periodic table	7
Group name	None
Period in periodic table	7
Block in periodic table	d-block
Color	Unknown, but probably metallic and silvery white or grey in appearance
Classification	Metallic
Melting point	No data available
Boiling point	No data available
Density of solid	27.20 g/cm ³ (predicted)
Electron configuration	[Rn]5f ¹⁴ 6d ⁵ 7s ² (calculated)