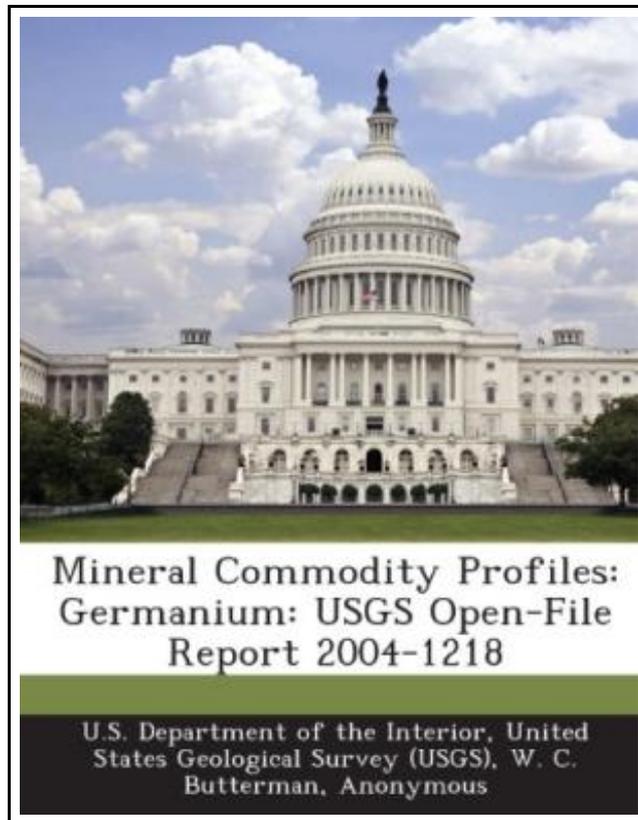


Mineral Commodity Profiles: Germanium: Usgs Open-File Report 2004-1218



Filesize: 4.63 MB

Reviews

These sorts of pdf is the greatest pdf available. It really is written in simple words and never difficult to understand. I am just very easily could get a delight of studying a written ebook.
(Mr. Allen Cassin)

MINERAL COMMODITY PROFILES: GERMANIUM: USGS OPEN-FILE REPORT 2004-1218

DOWNLOAD



To download **Mineral Commodity Profiles: Germanium: Usgs Open-File Report 2004-1218** PDF, make sure you click the hyperlink below and download the file or gain access to other information that are relevant to MINERAL COMMODITY PROFILES: GERMANIUM: USGS OPEN-FILE REPORT 2004-1218 book.

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Germanium is a hard, brittle semimetal that first came into use a half-century ago as a semiconductor material in radar units and as the material from which the first transistor was made. Today it is used principally as a component of the glass in telecommunications fiber optics; as a polymerization catalyst for polyethylene terephthalate (PET), a commercially important plastic; in infrared (IR) night vision devices; and as a semiconductor and substrate in electronics circuitry. Most germanium is recovered as a byproduct of zinc smelting, although it also has been recovered at some copper smelters and from the fly ash of coal-burning industrial powerplants. It is a highly dispersed element, associated primarily with base-metal sulfide ores. In the United States, germanium is recovered from zinc smelter residues and manufacturing scrap and is refined by two companies at four germanium refineries. One of the four refineries is dedicated to processing scrap. In 2000, producers sold zone-refined (high-purity) germanium at about \$1,250 per kilogram and electronic-grade germanium dioxide (GeO₂) at \$800 per kilogram. Domestic refined production was valued at \$22 million. Germanium is a critical component in highly technical devices and processes. It is likely to remain in demand in the future at levels at least as high as those of 2000. U.S. resources of germanium are probably adequate to meet domestic needs for several decades.



[Read Mineral Commodity Profiles: Germanium: Usgs Open-File Report 2004-1218 Online](#)



[Download PDF Mineral Commodity Profiles: Germanium: Usgs Open-File Report 2004-1218](#)

Related PDFs



[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Click the web link below to get "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)" document.

[Download Document »](#)



[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Click the web link below to get "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)" document.

[Download Document »](#)



[PDF] Weebies Family Halloween Night English Language: English Language British Full Colour

Click the web link below to get "Weebies Family Halloween Night English Language: English Language British Full Colour" document.

[Download Document »](#)



[PDF] When Life Gives You Lemons. at Least You Won t Get Scurvy!: Making the Best of the Crap Life Gives You

Click the web link below to get "When Life Gives You Lemons. at Least You Won t Get Scurvy!: Making the Best of the Crap Life Gives You" document.

[Download Document »](#)



[PDF] No problem child issues: the secret dedicated to children's learning

Click the web link below to get "No problem child issues: the secret dedicated to children's learning" document.

[Download Document »](#)



[PDF] How do I learn geography (won the 2009 U.S. Catic Silver Award. a map to pass lasting(Chinese Edition)

Click the web link below to get "How do I learn geography (won the 2009 U.S. Catic Silver Award. a map to pass lasting(Chinese Edition)" document.

[Download Document »](#)