

SEMIMETAL

Meaning: Semimetal: a material that exhibits properties intermediate between metals and semiconductors, particularly in terms of electrical conductivity.

1. Semimetals have unique electrical properties that make them valuable in various electronic applications.
2. The behavior of semimetals can often be explained using concepts from both metal and semiconductor physics.
3. In the periodic table, elements like arsenic and antimony are classified as semimetals due to their intermediate properties.
4. Researchers are exploring the use of semimetals in advanced materials for energy storage and conversion.
5. The conductivity of semimetals can be significantly affected by temperature and impurities in their structure.

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