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a semiconductor is a material with electrical conductivity between that of a conductor and an insulator 1 its conductivity can be modified by adding impurities doping to its crystal structure

17 feb 2026 semiconductor any of a class of crystalline solids intermediate in electrical conductivity between a conductor and an insulator semiconductors are employed in the manufacture of various

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a semiconductor is a substance that can either act as a conductor or insulator of electricity making it an essential building block of computers electronic devices integrated circuits and other modern digital

6 jan 2026 a semiconductor is a solid material whose electrical conductivity is intermediate between that of metals and insulators nonmetals in metals many electrons are free to move at all times

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23 jul 2025 in a semiconductor when an electron leaves a place due to getting energy a place is left behind which is known as a hole a hole in a semiconductor represents a region of positive charge

a semiconductor is a substance that falls somewhere on the continuum between conductor and insulator manufacturers process silicon and other materials into semiconductors for all kinds of

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