Solid-state, nuclear and particle models

GRE Subject Test · GRE Physics · Vocabulary in context

Word	Example
band gap /bænd gæp/	The photon must supply enough energy to cross the **band gap**.
doping	**Doping** silicon with phosphorus adds free electrons.
Fermi level	The **Fermi level** lies inside the band gap of a pure semiconductor.
activity /æk'tɪvɪti/	A source's **activity** is the number of decays per second.
half-life /hɑːf laɪf/	After one **half-life**, half the original radioactive nuclei remain on average.
binding energy /'baɪndɪŋ 'enədʒi/	The **binding energy** is the energy needed to pull a nucleus apart.

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