Thermal transport, calorimetry and expansion

GRE Subject Test · GRE Physics · Vocabulary in context

Word	Example
latent heat /ˈleɪtənt hiːt/	Use **latent heat** to find the energy required for melting.
calorimetry /ˌkæləːˈrɪmətri/	**Calorimetry** measures heat from temperature changes.
conduction /kənˈdʌkʃn/	Heat moves through a metal rod by **conduction**.
thermal resistance /ˈθɜːml rɪˈzɪstəns/	A thicker wall has greater **thermal resistance** at fixed area and material.
specific heat capacity /spəˈsɪfɪk hiːt kəˈpæsɪti/	Water has a high **specific heat capacity**.
↔ **thermal expansion** /ˈθɜːml ekˈspænʃn/	**Thermal expansion** makes rails longer in summer.
thermal stress	A rod held fixed while heated feels **thermal stress**.

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