Work, energy and power

International Baccalaureate · IB Diploma · Physics · SL ·
Vocabulary in context

Word	Example
conservation of energy /ˌkɒnsəˈveɪʃn ɒv ˈenədʒi/	**Conservation of energy** means energy is never made or destroyed.
work /wɜːk/	You do **work** when you push a box across the floor.
mechanical energy /mɪˈkænɪkl ˈenədʒi/	A swinging pendulum keeps its total **mechanical energy** if there is no friction.
kinetic energy /kɪˈnetɪk ˈenədʒi/	A fast car has a lot of **kinetic energy**.
gravitational potential energy /ˌgrævɪˈteɪʃənl pəˈtenʃl ˈenədʒi/	A book on a high shelf has more **gravitational potential energy**.
elastic potential energy /ɪˈlæstɪk pəˈtenʃl ˈenədʒi/	A stretched spring stores **elastic potential energy**.
power /ˈpaʊə/	A 60 W lamp has a **power** of 60 watts. 60 W 60
efficiency /ɪˈfɪʃənsi/	A lamp with 20% **efficiency** turns only a fifth of its energy into light. 20%
Sankey diagram /ˈsæŋki ˈdaɪəgræm/	A **Sankey diagram** shows where the energy goes.
energy density	Petrol has a high **energy density**.

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