

7 Energy and energy economics

7.2 Basics of thermodynamics

CLIL Forms of energy and conservation of energy

A 1. Complete the sentences with the words in the box:

*chemical energy; energy shape; energy of motion; thermal energy;
mechanical energies; potential energy (2x); energy of position;
enclosed system; kinetic energy (2x); electrical energy; law of
conservation of energy*

We call the _____ also _____, and
furthermore we call the _____ also
_____. Both, _____ and
_____ are _____. Next to the
mechanical shape of energy, exists _____,
_____ and _____. It is not possible to
create or spend energy in an _____, but we are able to transform
energy from one shape to another _____. This we call
_____.

Solution

7 Energy and environment

CLIL Forms of energy and conservation of energy

A 1. Complete the sentences with the words in the box:

We call the **potential energy** also **energy of position**, and furthermore we call the **kinetic energy** also **energy of motion**. Both, **potential energy** and **kinetic energy** are **mechanical energies**. Next to the mechanical shape of energy, exists **chemical energy**, **thermal energy** and **electrical energy**. It is not possible to create or spend energy in an **enclosed system**, but we are able to transform energy from one shape to another **energy shape**. This we call **law of conservation of energy**.