

## 5.2 energy conversion

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- Converting energy from one form into another
  - sound energy
    - given out (by)
  - chemical energy
    - stored in
  - light energy
    - from the
  - thermal energy
    - given out (by)
  - kinetic energy
    - of the
    - have
  - potential energy
    - gain
  - electrical energy
    - supplied to
- conservation of energy
  - law
    - energy can be converted from one form into another
    - can't be created or destroyed
- efficiency of energy conversion
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$$\text{Efficiency} = \frac{\text{useful energy output}}{\text{total energy input}} \times 100\%$$