

Model 1 – Manual generator / Muscle power

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Topic

Renewable energy introductory model Flow of energy and energy conversion.

Learning objective

- Forms of energy and energy converters. From kinetic energy (muscle power) to electrical energy. Use of gear technology.
- The practical application of a multi-stage gearbox and calculating the speed ratio.
- Technical use of a generator.
- Forward voltage. A property of semiconductor diodes.

Time required

45 minutes.