

Energy: Key Terms

Word Bank:

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|------------------------|--------------------------|---------------------|
| A. Biofuel | I. Industrial Revolution | Q. Renewable Energy |
| B. B. Cafe Regulations | J. Natural Gas | R. Solar Energy |
| C. Coal | K. Non-Renewable Energy | S. Thermodynamics |
| D. Energy Conservation | L. Nuclear Fission | T. Watt |
| E. Fossil Fuel | M. Nuclear Fusion | U. Wave Energy |
| F. Geothermal Power | N. Nuclear Power | V. Wind Energy |
| G. Hydroelectric Power | O. Oil | W. Wind Turbine |
| H. Hydrogen Fuel Cell | P. Photovoltaic Cell | |

- ___ Fossil fuel consisting of methane, ethane, propane and butane that is used as a high energy fuel.
- ___ A type of battery that utilizes the energy produced from the redox reaction between hydrogen and oxygen.
- ___ The use of sunlight to produce usable energy, often in the form of heat.
- ___ The production of electricity using materials that can be replaced or regenerated within a short time span.
- ___ The time during the 19th & 20th centuries in which scientific breakthroughs led to the mechanization of industry, resulting in a rise in technology and living standards.
- ___ Black sedimentary rock, consisting primarily of carbon. Formed from the buried and compressed remains of ancient swamps and is now used as a high energy fuel.
- ___ fuel produced millions of years ago by the burying and compression of organic matter.
- ___ Energy produced by using the motion of waves to drive turbines.
- Energy produced from using radioactive material to heat water to steam to drive a turbine connected to a generator.
- A branch of physics that deals with the principles and relationships concerning the conversion and conservation of energy.
- Fuel that is formed from renewable organic compounds, often in the form of waste material such as animal dung or wood pulp.
- ___ The splitting of a heavy atom causing the generation of large amounts of energy & lighter atoms.
- ___ Device that uses the force of the wind to turn rotors connected to a generator to produce electrical energy.
- ___ Energy produced by using the force of wind to drive turbines.
- ___ Electrical cell that is able to convert sunlight directly into electrical energy.
- ___ Liquid made from hydrocarbons that was formed from the buried remains of marine or lake living planktonic organisms.
- ___ The Corporate Average Fuel Economy. A regulation designed to improve the fuel economy of cars sold in the USA.
- ___ Energy produced by using water passing through a dam to turn turbines connected to generators.
- The use of energy in such a way that it expends the minimum amount necessary to achieve a purpose
- ___ Energy derived from heat produced by volcanic activity.
- ___ The joining of hydrogen atoms to form helium, generating large amounts of energy.
- ___ Energy produced by using fuels that cannot be replaced unless over geologic time scales.
- ___ The unit of power. Equal to one joule of energy per second.