

Lesson 1.2 Key Term Crossword

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

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ACROSS

- 1 A fundamental entity of nature that is transferred between parts of a system in the production of physical change within the system and usually regarded as the capacity for doing work.
- 3 A system that links electricity produced in power stations to deliver it to where it is needed.
- 8 The production of an electric or magnetic state by the proximity (without contact) of an electrified or magnetized body.
- 11 A natural fuel such as coal or gas, formed in the geological past from the remains of living organisms.
- 12 The rate at which work is performed or energy is expended.
- 13 The rotating member of an electrical machine.
- 14 The unit of electric current in the meter-kilogram-second system of units. Referred to as amp and symbolized as A.
- 16 States that the direct current flowing in an electric circuit is directly proportional to the voltage applied to the circuit.
- 23 The production of electricity in conductors with the use of magnets.
- 27 The opposition that a device or material offers to the flow of direct current.
- 30 The potential difference measured in volts. The amount of work to be done to move a charge from one point to another along an electric circuit.
- 31 A result of a force moving an object a certain distance.
- 32 A circuit in which all parts are connected end to end to provide a single path of current.
- 33 The state when objects are not yet in motion.
- 34 A resource that cannot be replaced once used.

DOWN

- 2 An organization that works to develop and enforce regulations that implement environmental laws enacted by Congress.
- 4 A resource that can be replaced when needed.
- 5 The unit of potential difference symbolized as V.
- 6 Plant materials and animal waste used especially as a source of fuel.
- 7 An energy source that will never run out.
- 9 The net transfer of electric charge (electron movement along a path) per unit of time.
- 10 A closed electrical circuit in which the current is divided into two or more paths and then returns via a common path to complete the circuit.
- 15 The unit of electric resistance in the meter-kilogram-second system of units. Symbolized as Ω .
- 17 The ratio of the useful energy delivered by a dynamic system to the energy supplied to it.
- 18 The use of heat from within the Earth or from the atmosphere near oceans.
- 19 Energy which a body possesses by virtue of being in motion.
- 20 The flow of electrical power or charge.
- 21 Changing one form of energy to another.
- 22 A machine for producing power in which a wheel or rotor is made to revolve by a fast-moving flow of water, steam, gas, or air.
- 24 Any source of energy other than fossil fuels that is used for constructive purposes.
- 25 Changes one form of power to another.
- 26 A dynamo or similar machine for converting mechanical energy into electricity.
- 28 Energy caused by the movement of electrons.
- 29 The energy that a piece of matter has because of its position or nature or because of the arrangement of parts.