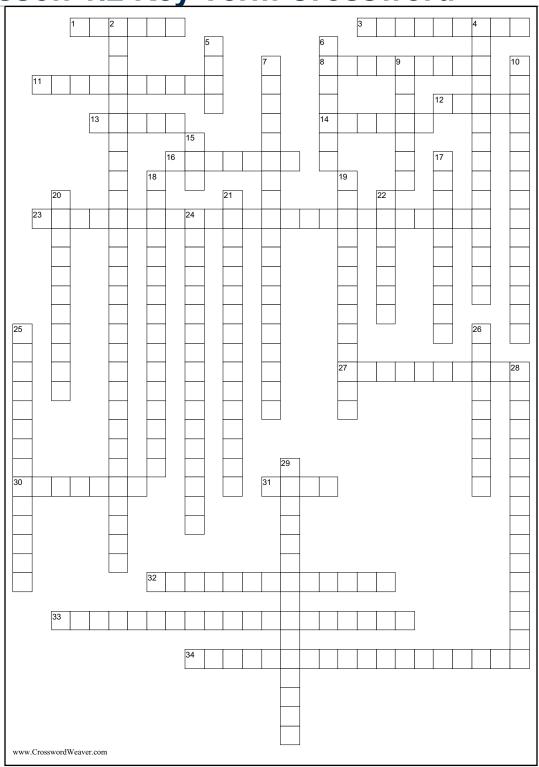


Lesson 1.2 Key Term Crossword



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 meterkilogram-second system of units. Symbolized as ?.
- 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.