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ENERGY SOURCES VOCAB

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| **Across****3.** A material found in air, water, or soil that is harmful to humans or other organisms**6.** the use of controlled nuclear reactions to produce steam, which in turn drives turbines to produce electricity**10.** Coal, oil, natural gas, and other fuels that are ancient remains of plants and animals.**14.** a device that safely starts and controls a fission chain reaction**17.** Creation of energy by joining the nuclei of two hydrogen atoms to form helium.**18.** one of the most important elements to life, it can form 4 covalent bonds with other atoms and is the most common element in most large molecules found in living things**20.** Natural situation in which heat is retained in Earth's atmosphere by carbon dioxide, methane, water vapor, and other gases**21.** A form of power obtained from steam or hot water coming from within the earth's interior**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.**23.** A liquid fossil fuel**24.** The capture of energy from the burning of organic matter and organic waste (aka, burning biofuel)**25.** An oily, dark-colored, flammable liquid found in the earth, consisting mainly of a mixture of various hydrocarbons. Gasoline, kerosene, fuel oil, paraffin, and lubricants are made from petroleum.**26.** a solar energy cell, usually made from silicon, that collects solar rays to generate electricity**27.** Electricity generated by flowing water | **Down****1.** The use of a windmill to drive an electric generator**2.** A change in the world's climate**4.** radioactive by-products from nuclear power generation, nuclear medicine, and so on.**5.** Fuels, such as wood, ethanol or methanol, that are created from the fermentation of plants or from straight plant products.**7.** Largest number of individuals of a population that a environment can support**8.** energy from the sun that is converted into thermal or electrical energy**9.** A source of energy that is a finite supply capable of being exhausted.**11.** Any source of energy that can be continually produced and is inexhaustible given current conditions.**12.** energy derived from sources that are not fossil fuels**13.** Compounds composed of only carbon and hydrogen**15.** A solid fossil fuel**16.** The splitting of an atomic nucleus to release energy**19.** A fossil fuel in the gaseous state |