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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 |