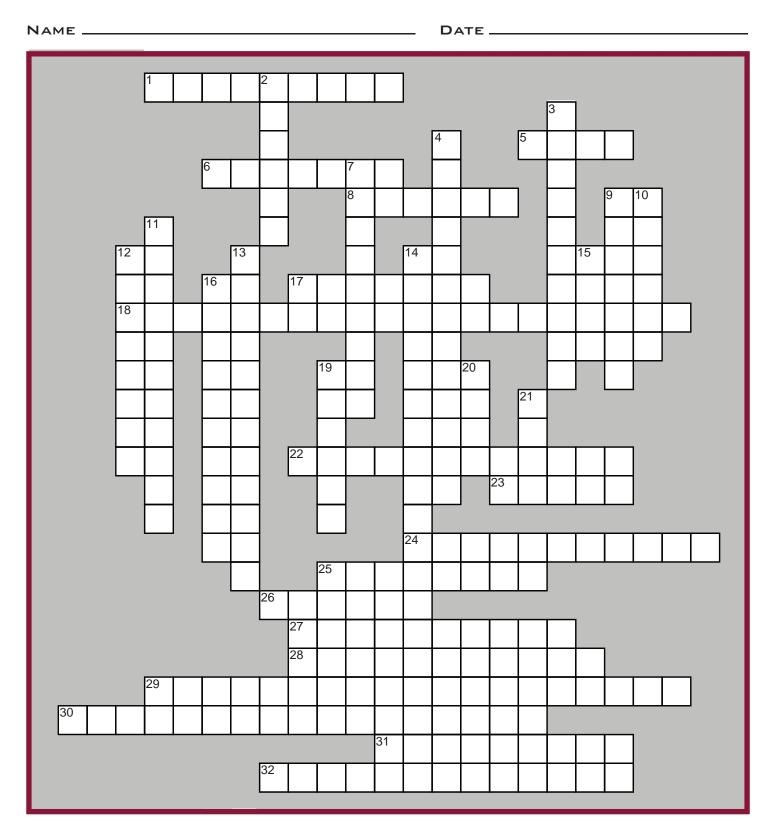
COMPLETE THE CROSSWORD PUZZLE





CLEAN COAL TECHNOLOGY UNDERGROUND MINING FURNACE HEAT POWER PLANT ACID RAIN TURBINE FOSSIL FUEL CARBON DIOXIDE GASIFICATION INDUSTRIAL REVOLUTION

Across

- 1 A technology that helps clean coal using limestone and water.
- 5 A mineral that looks like a shiny black rock. It's formed from plants that were once alive.
- 6 The force that pushes electricity or a current. In most homes this force is 110 volts.
- 8 The ability to do work. It comes in many forms such as light, heat, sound, and motion.
- 17 In a power plant, it's where coal is burned.
- 18 This played a major role in expanding coal use in the United States. (2 words)
- 22 Resources that are not replaceable after they have been used up and need to be conserved.

- VOLTAGEPULVERIZERRECLAMATIONCOKECOALGENERATORTRANSFORMERPRESSURECONDENSERIMPORTNONRENEWABLE
- 23 Water at boiling temperature that spins a turbine.
- 24 A form of energy that is used in homes. Coal helps make half of it in the United States.
- 25 The amount of force that is pushed against an object, or that exists within an environment, like under water; or what you feel before a big test!
- 26 The product or goods brought into a country from another country.
- 27 An electric utility generating station. (2 words)
- 28 Returning the land to the way it was or better than before mining.

CARBON STEAM EXPORT ELECTRICITY SCRUBBERS SURFACE MINING CARBON SEQUESTRATION WATT ENERGY BOILER

- 29 Describes a new generation of energy processes that reduce air emissions and other pollutants from coalburning power plants. (3 words)
- 30 Refers to a group of mining techniques used to extract coal from below the ground. (2 words)
- 31 An apparatus that cools the steam in a power plant.
- 32 One of the greenhouse gases in our atmosphere; colorless and a waste product of burning fossil fuels. (2 words)

CLUES FOR WORDS GOING "DOWN" ARE FOUND ON NEXT PAGE.

Down

- 2 Sealed vessel in a power plant where water is converted to steam.
- 3 A type of fuel formed from the remains of plants or sea creatures millions of years ago. (2 words)
- 4 A mining method in which the overburden (earth and rocks) is stripped away completely to reach the underlying coal or other minerals. (2 words)
- 7 A machine in a power plant that produces electricity by changing mechanical energy into electrical energy.
- 9 Practically every form of electric power is generated using this type of engine.

- 10 This is made from ancient plant material and gives coal most of its energy.
- 11 A device that changes electricity from one voltage to another voltage.
- 12 Rain that has turned acidic because of pollution in the air (2 words)
- 13 The process of changing into gas. It's one of the best ways to clean coal.
- 14 Technology to capture and permanently store carbon dioxide. (2 words)
- 15 A unit of electric power, equal to one joule of work per second, and named after an inventor.
- 16 A device for grinding coal into a fine powder for use in a power plant.

- 19 Commodities (goods or services) sold to a foreign country.
- 20 Carbon fuel produced by distillation of coal; not Coca-Cola!
- 21 A form of energy. We use it in our homes during the winter.

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ANSWER KEY

