

# COMPLETE THE CROSSWORD PUZZLE



NAME \_\_\_\_\_

DATE \_\_\_\_\_

A crossword puzzle grid with 32 numbered starting points for words. The grid is set against a grey background with white squares for letters and grey squares for empty space. The numbered squares are:

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

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

VOLTAGE  
PULVERIZER  
RECLAMATION  
COKE  
COAL  
GENERATOR  
TRANSFORMER  
PRESSURE  
CONDENSER  
IMPORT  
NONRENEWABLE

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

## 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.
- 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.
- 29 Describes a new generation of energy processes that reduce air emissions and other pollutants from coal-burning 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.

