

Energy Word Challenge

See if you can find the electricity vocabulary words in the puzzle below.

M P K W G E T O C S Y G U U I
X N Q V O L K I Y T N S Z V V
Z C E B T E R S I Z X O M K W
N I Q Y C C K C W A T T S L V
W Y C O U T I A X O R D I J W
C A G I T R C O N D U C T O R
W I T R T O W V S N G Q V T H
S Q N C E N R T V P P D R K P
E P E S Y N L F C Z S O J Q I
Y L D S U O E I J W M W B W J
E P L D V L S J W E O W H F R
X U C F D U A E Z B T Q A Q S
B Y N F L I Y T Q L A X W B O
T N E R R U C P O X Y I K G P
M T F E N Q W P L R Q W Y T S

ATOM: Tiny particles that make up everything around us. Atoms are so small that 12 trillion of them can fit in a grain of sand.

CIRCUIT: A closed path or loop that is needed for electricity to flow. Electricity will not flow if a circuit is open.

CONDUCTOR: A material that allows electricity to flow through it easily. Water and metal are good conductors. So is your body!

CURRENT: The flow of electrical charge, measured in amperage ("amps " for short). The amperage in an electric circuit is like the amount of water that comes out when you turn on a faucet.

ELECTRICITY: A type of energy carried by the movement of electrons.

ELECTRON: A particle that travels around the nucleus at the center of an atom.

ENERGY: A property of many substances that is associated with heat, light, electricity, mechanical motion, and sound.

INSULATOR: A material that does not allow electricity to flow through it easily. Special rubber and special glass are used as insulators.

VOLTS: Short for "voltage," a measure of the force with which electricity flows. The voltage in an electric circuit is like the pressure that pushes water out when you turn on a faucet.

WATTS: A measure of the work that electricity does. $Watts = Amps \times Volts$.