

ENERGY TRANSFER

ACTIVITY SHEET | ANSWERS

1. Unscramble the letters to finish these sentences.

A material that is good at letting energy transfer through it is called a

C O N D U C T O R

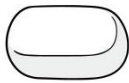
T R U N C D O N C

A material that prevents energy transferring through it is called a

I N S U L A T O R

R U S A L I N T O

2. Circle which materials could be used to complete the circuit and light up the bulb.



Eraser

The graphite in the pencil not the wood



Pencil



Toilet plunger



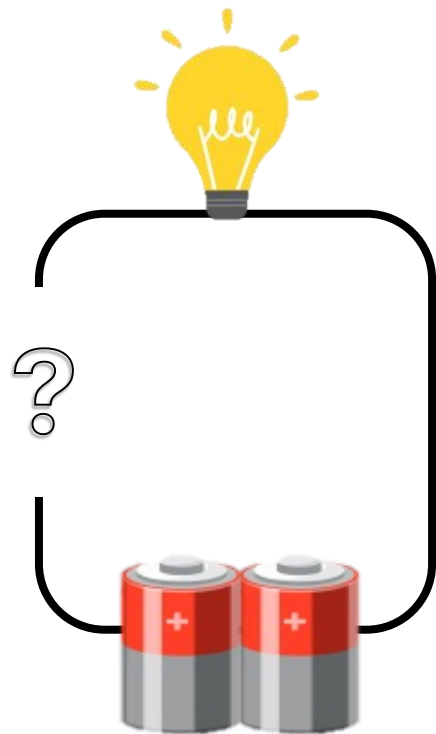
Water



Apple



Plastic straw



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3. Unscramble each word and copy the numbered letters into the final row to uncover the mystery word.

TIICUCR: Electrical energy flows in a closed loop called a _____

C ⁴	I	R	C ⁸	U	I	T ¹⁰
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TYBTARE: A source of electricity found in mobile phones and tablets.

B	A	T ⁵	T	E ¹	R	Y ¹¹
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SEERIS: A type of circuit in which energy moves along a single path.

S	E	R	I ⁹	E	S
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NFIORTSATMOA: The process of converting energy from one form to another.

T	R	A	N	S	F	O	R ⁶	M	A	T	I ⁷	O	N
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LAPELLR: A type of circuit in which energy can move along multiple paths.

P	A	R	A	L	L	E ³	L ²
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


MYSTERY WORD:

E ¹	L ²	E ³	C ⁴	T ⁵	R ⁶	I ⁷	C ⁸	I ⁹	T ¹⁰	Y ¹¹
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EXTRAS FOR EXPERTS

Scientists use symbols to represent different elements of a circuit. This helps them make sure that others can reproduce their work.

Can you draw a circuit in series and in parallel, using the elements below? Can you find other ways of drawing elements? (for example, and LED light, a speaker or a resistor)

Battery:  Light:  Motor: 

Example of a circuit:

