

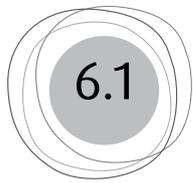
energy

6 Extra Activities

We have included these activities as you may like to use them for 'fast finishes' or take home sheets.

Activities

- 6.1 Energy scramble - word meanings
- 6.2 Energy word search
- 6.3 Energy word snakes
- 6.4 Energy maze
- 6.5 Energy tangle
- 6.6 Energy safety



6.1

6.1 Energy Scramble

How many of these energy words can you unscramble?

treicetilcy	roals	odhry	greeny	sag	trucici
ropew	talkwito	witchs	rewi	creurnt	toaglve
snailrotu	donctoruc	pam	treem	bertuni	glup

- 1 Solution: electricity, solar, hydro, energy, gas, circuit, power, kilowatt, switch, wire, current, voltage, insulator, conductor, amp, meter, turbine, plug.
- 2 Match the words you have unscrambled with the meanings in the table below.
- 3 Use a dictionary and the energy glossary to help you.

	1,000 watts
	A source of energy found in nature that can also be artificially produced. A flow of electrons.
	The basic unit of measurement to measure the rate of flow of an electric current.
	An instrument that records the amount of electricity that passes through it.
	Something that allows electricity to flow easily.
	The force or energy used to do work. It is measured in watts.
	An unbroken loop of material that electricity can flow through.
	The ability to do work and produce power. Humans get it by eating food.
	A constant flow of electrical charges through matter.
	Energy produced by the sun's light and heat.
	A device that opens or closes an electrical circuit.
	A device used in the generation of electricity - a shaft with blades at one end and electromagnets at the other.
	A thread of metal.
	Like air, not liquid or solid.
	The force or pressure that moves electric current through a conductor.
	Material that does not allow electricity to pass through it easily.
	Device of metal pins fitted into a socket to make an electrical connection.
	To do with water.

- 4 Make a list of other words we use when we are talking about energy or electrical safety.
- 5 Choose five of these words. Scramble the letters and write the scrambled word.
- 6 Give your scrambled words to another student. Can they unscramble them?

6.2 Energy Word Search

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

Find these energy words in the grid. The words are written upwards, downwards, across and diagonally.

AMP	CONDUCTOR	ELECTRON	GENERATOR	INSULATOR	METER
POWER	SOLAR	TURBINE	OHM	BIOMASS	CURRENT
ENERGY	GEOTHERMAL	PROTON	NEUTRON	VOLT	WIND
WAVE	SWITCH	CURCUIT	ELECTRICITY	FUEL	GRID
MEGAWATT	PHOTOVOLTAIC	RESISTANCE	TRANSMISSION	GAS	OIL
WIRE	CABLE	COAL	KILOWATT	WATT	

6.3 Energy Word Snakes

Work with a partner or in groups of three. Find an energy word starting with the last letter of the previous word.

For example:

If the first word is "solar", the next person could add the word "renewable" making "solarenewable". The next person adds a word beginning with "e" such as "electricity" making "solarenewableelectricity". The snake gets longer until no more energy words can be added. A new energy word snake is started with a different energy word.

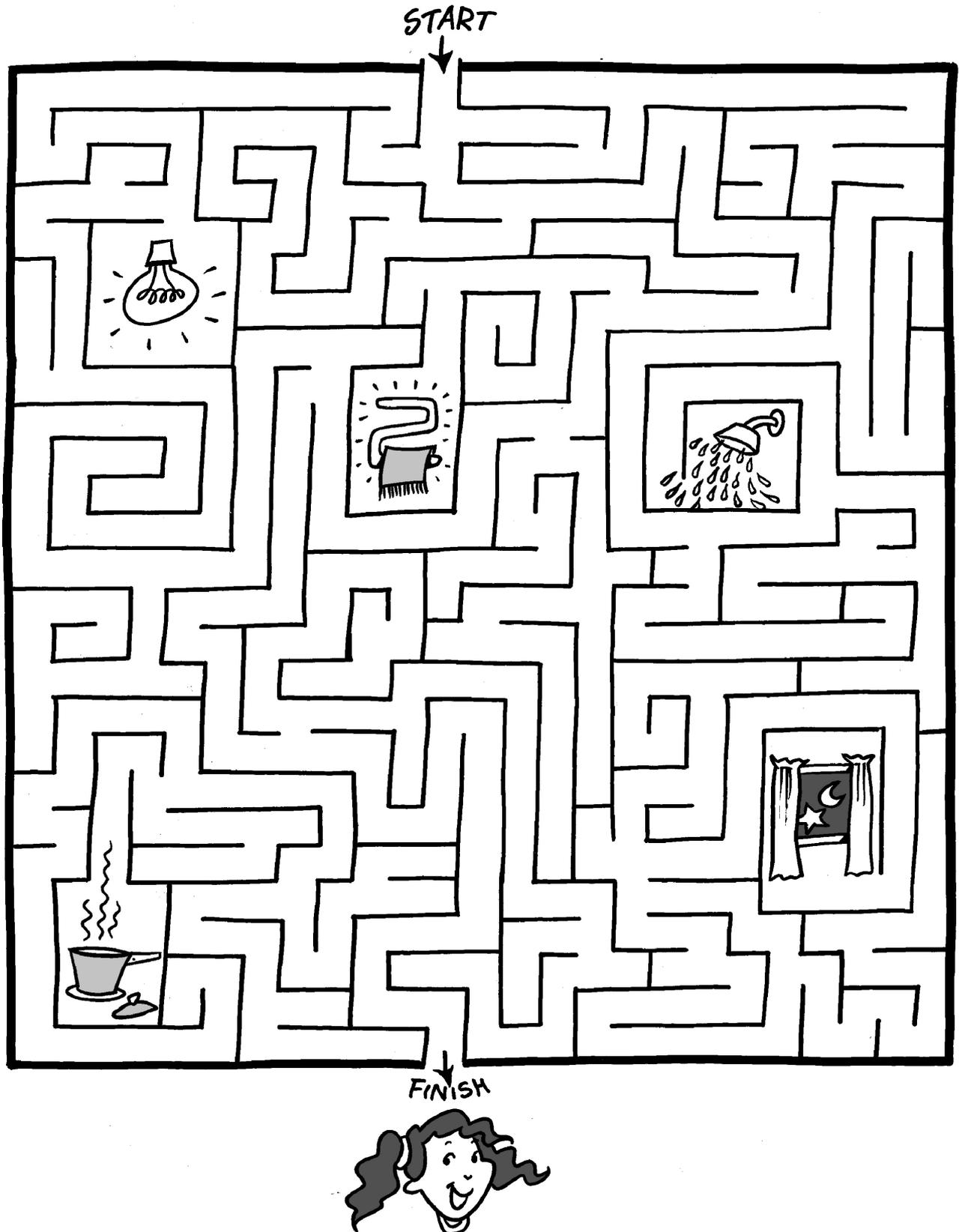
Hint: Use the energy glossary to help you find energy words



1
2
3
4
5

6.4 Energy Maze

Find your way through this maze and avoiding wasting energy on the way.



6.6 Energy Safety

Find your way through this maze avoiding the unsafe situations. Keep safe around electricity.

