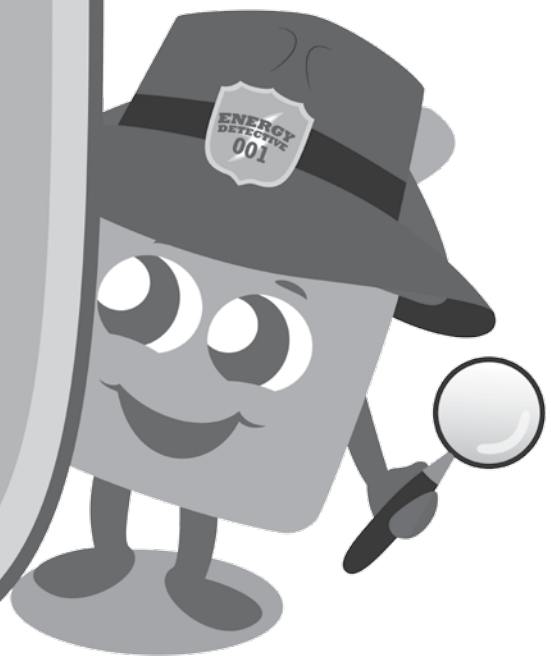


Delmarva Power's
**ENERGY
DETECTIVE**
Activity Book



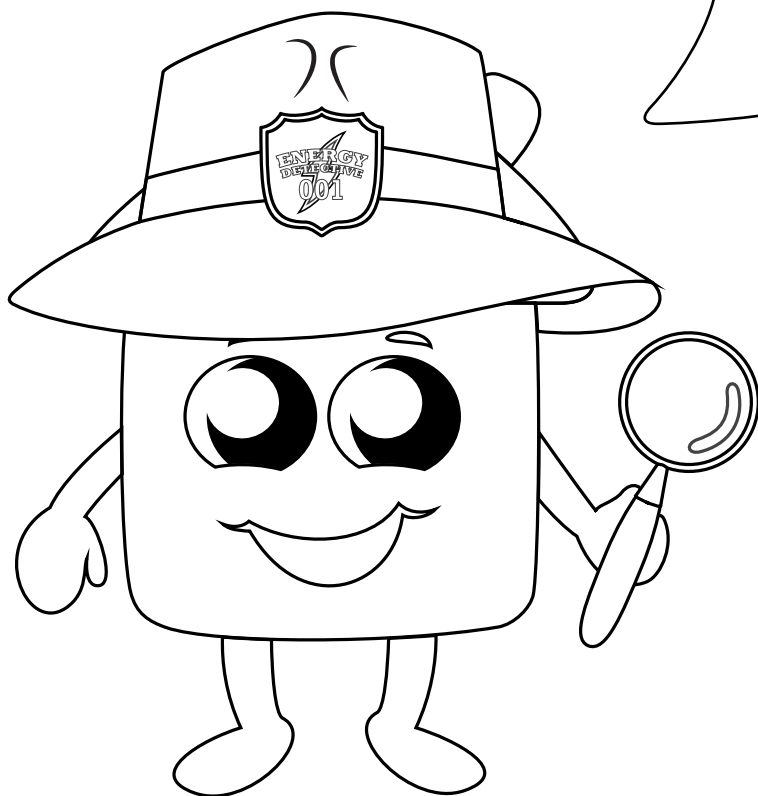
**Become an
Energy Detective**
Save energy. Save the Earth.



This program supports the EmPOWER
Maryland Energy Efficiency Act.

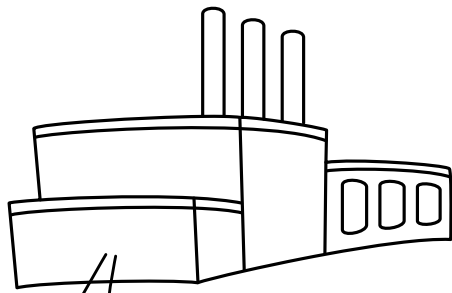


Being an **energy detective** is fun, but it's also an **important job**. Everyone needs to learn how to **use less energy** to **protect the planet** and ensure there's enough energy for everyone to use. These fun activities will help you learn how to be an energy detective and lead your family into a **greener future!**



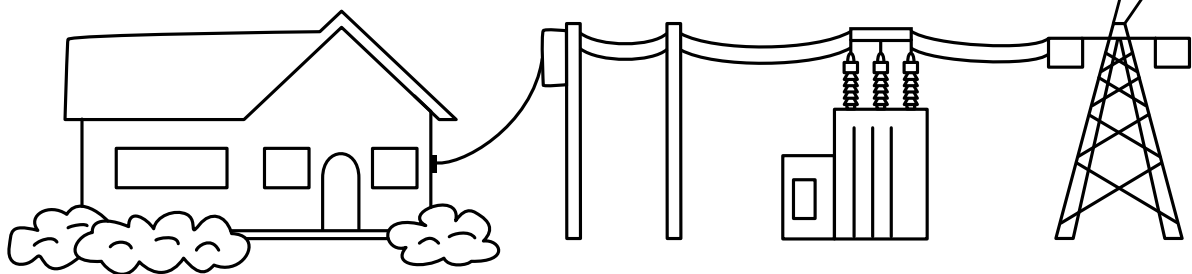
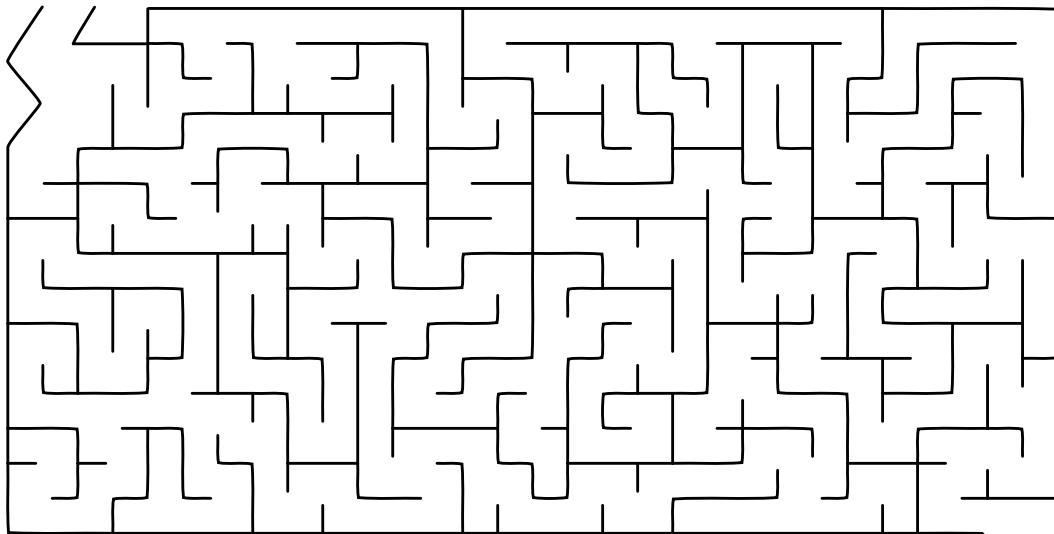
?? Detectives always begin with a question

What is electricity? Electricity is a form of energy that is delivered from a power plant to your home through wires. Electricity powers things we use every day, like refrigerators, lights and televisions.



Follow the maze of electricity from the power plant into your home.

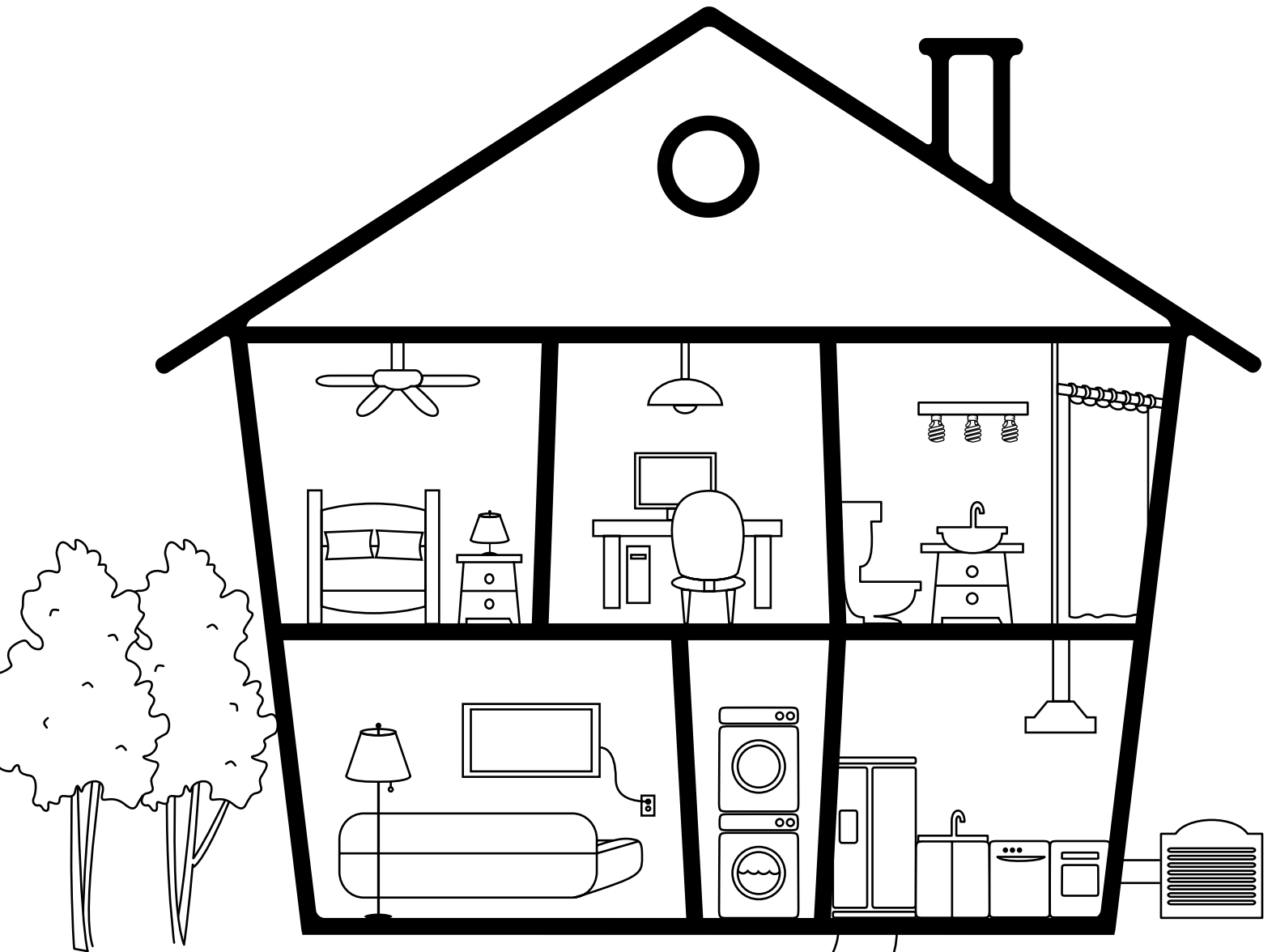
START





Recognizing electricity

Circle the objects in this home that use electricity.



Answers: (Bedroom) Ceiling Fan, Lamp; (Office) Ceiling Light, Computer; (Bathroom) Lights; (Living Room) Lamp, TV; (Laundry Room) Washer, Dryer; (Kitchen) Refrigerator, Dishwasher, Oven, Vent; (Outside) Air Conditioner.



Detectives learn the facts

By using less electricity, you help keep the planet clean. Why? Because not all forms of energy are good for the environment. So if we use less energy, we're helping to protect the Earth. Search for and circle the terms in the word bank below and learn about the different types of energy used to make electricity.

ELECTRICITY WORD BANK

Coal

Hydropower

Solar

Gas (Natural gas)

Oil

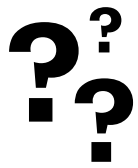
Geothermal

Nuclear

Wind

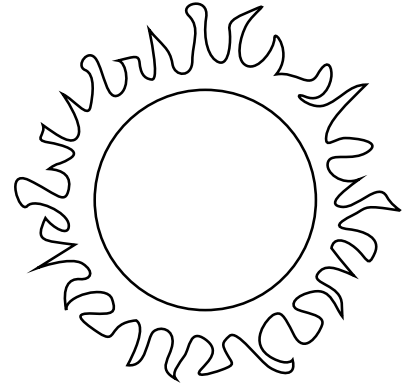
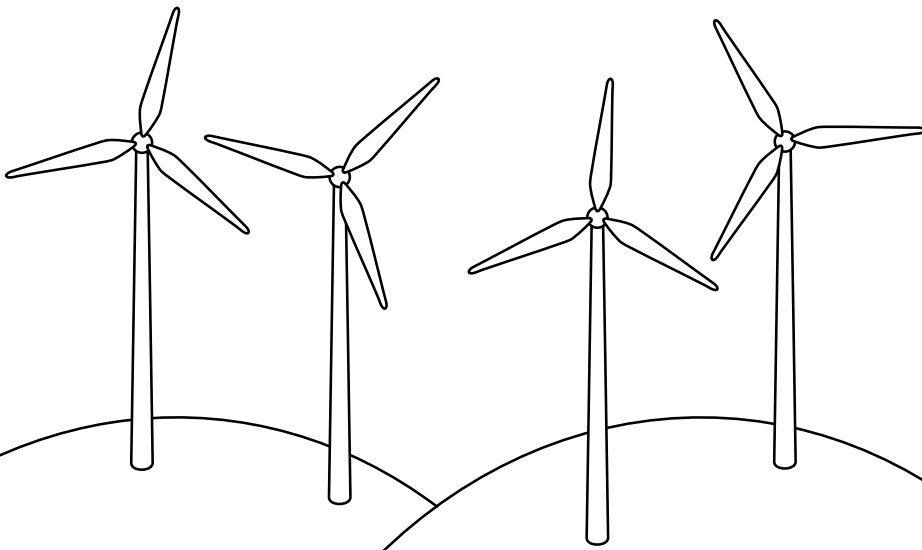
Biomass

N	U	C	L	E	A	R	F	C	T
B	R	A	L	O	S	Y	G	O	F
G	E	O	T	H	E	R	M	A	L
B	I	O	M	A	S	S	L	L	S
H	Y	D	R	O	P	O	W	E	R
D	N	I	W	R	L	G	O	I	L

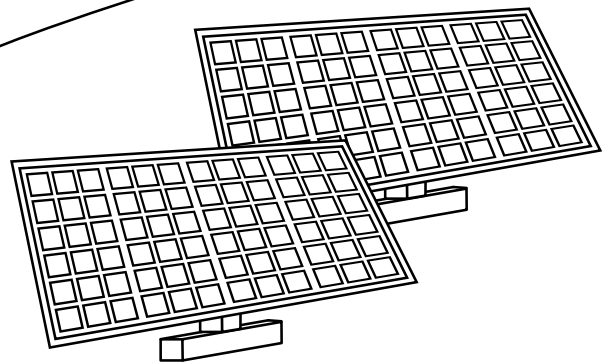
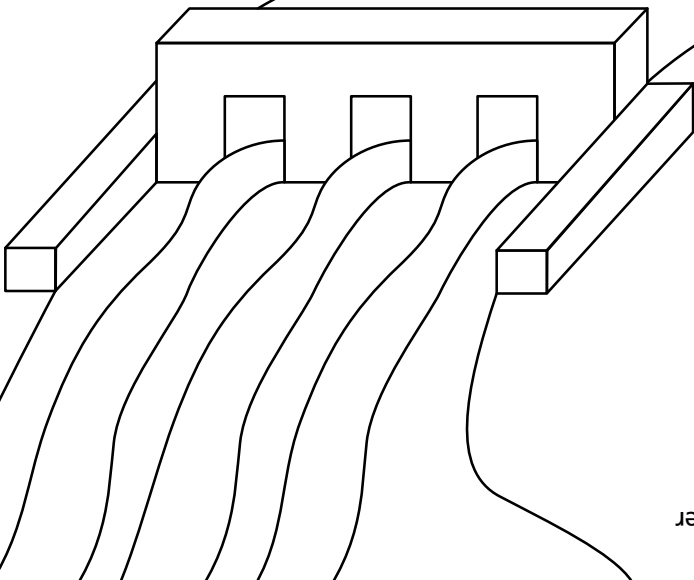


Use your detective skills to name the forms of renewable energy

1. _____



2. _____



3. _____

Answers: 1. Wind Power; 2. Hydropower (water); 3. Solar Power



Know how to use your resources

What is the best way to use less electricity? Turn off anything you are not using.

Use the code below to fill in the blanks and reveal the secret message!

10. 16. 9. 7. 22. 10.

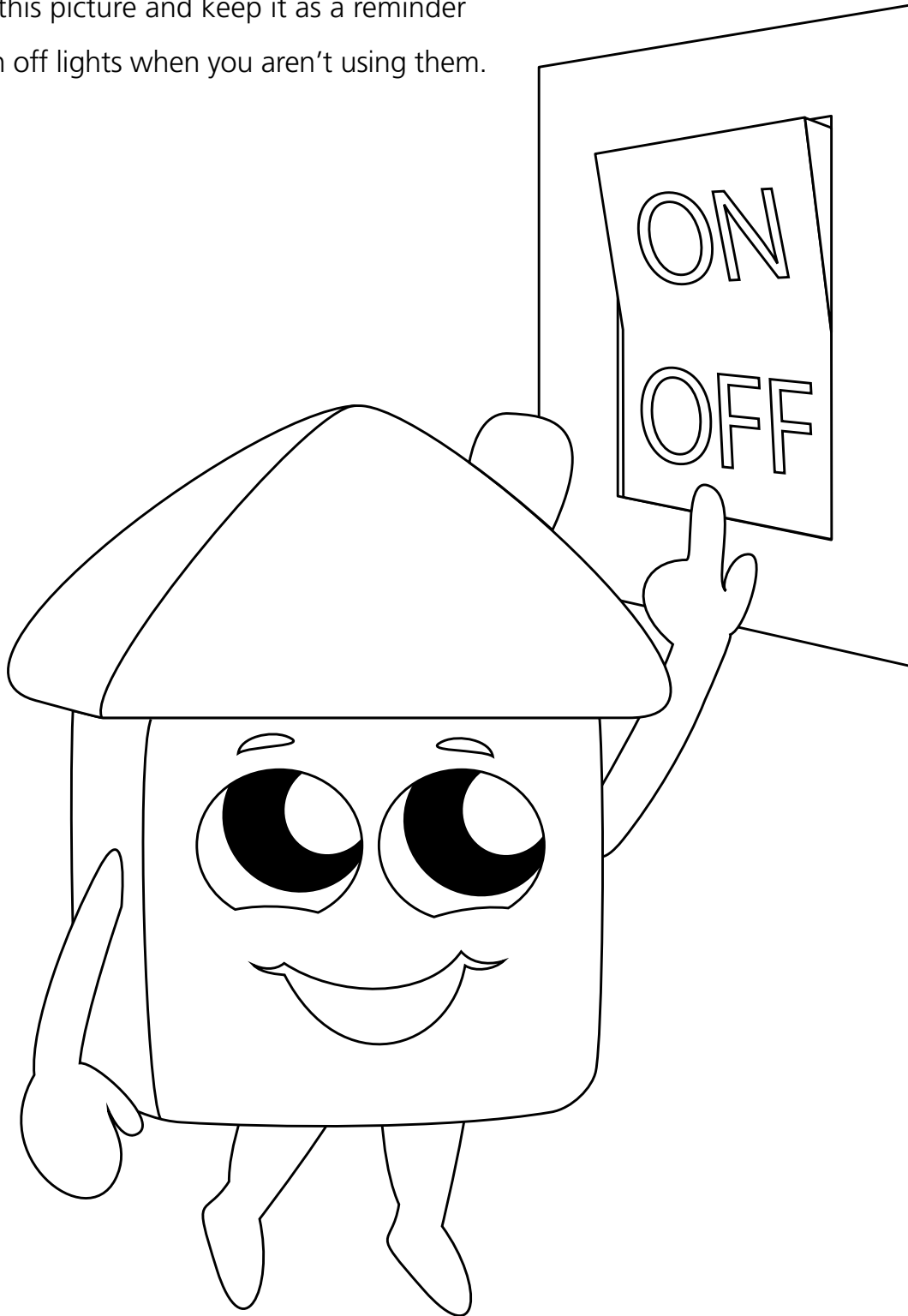
19. 3. 3. !

1.	2.	3.	4.	5.	6.	7.	8.	9.
B	D	F	H	J	L	N	P	R
10.	11.	12.	13.	14.	15.	16.	17.	18.
T	V	X	Z	Y	W	U	S	Q
19.	20.	21.	22.	23.	24.	25.	26.	
O	M	K	I	G	E	C	A	



Always save energy

Color this picture and keep it as a reminder to turn off lights when you aren't using them.

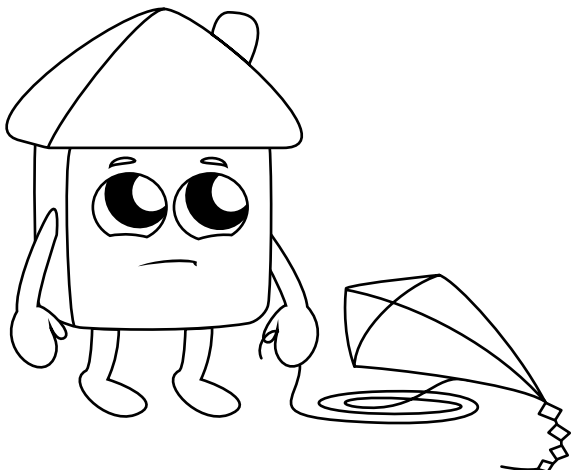
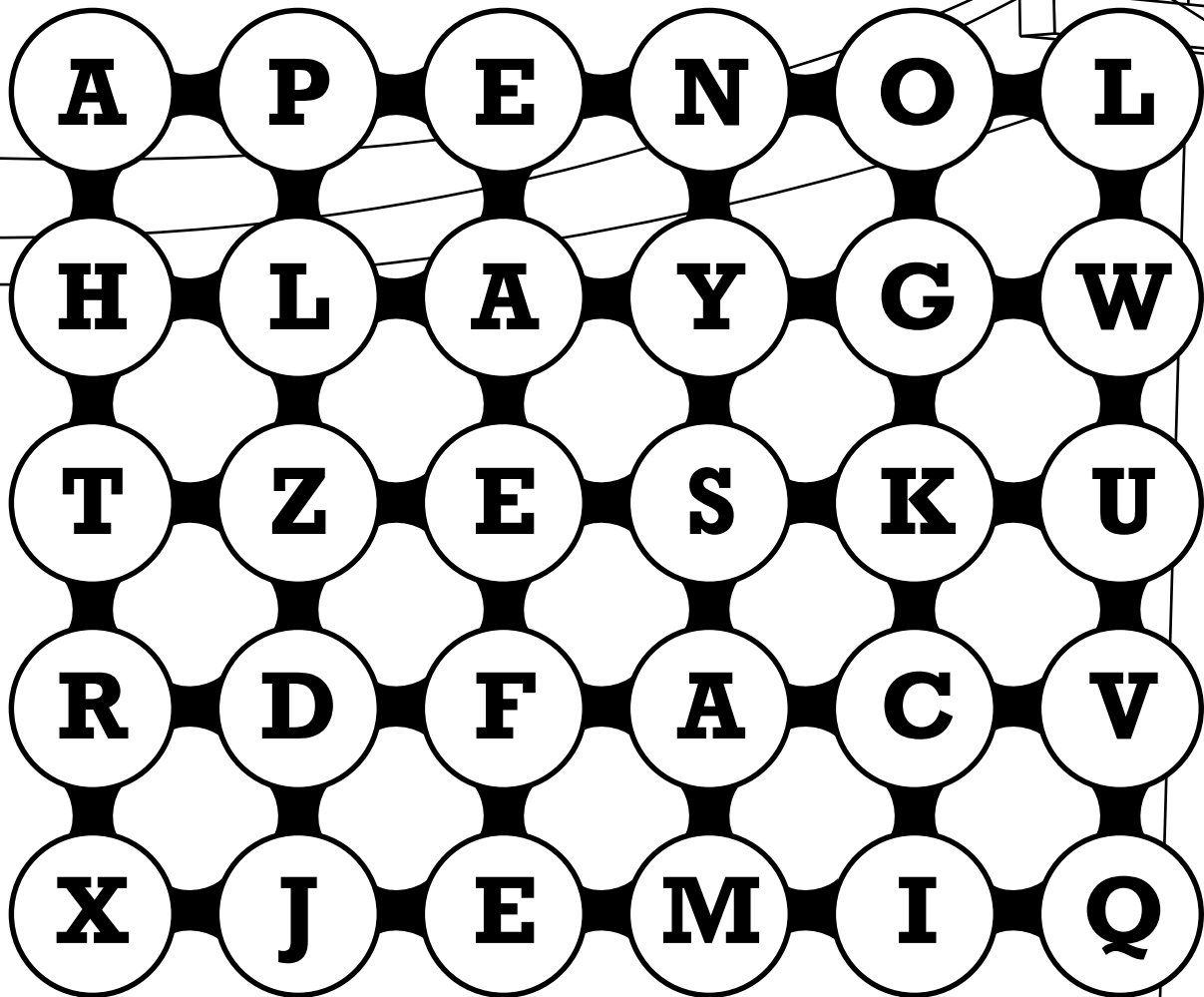




Safety is always important

To be a good energy detective, you need to know how to be safe around electricity.

Connect the letters to spell out "Play Safe."

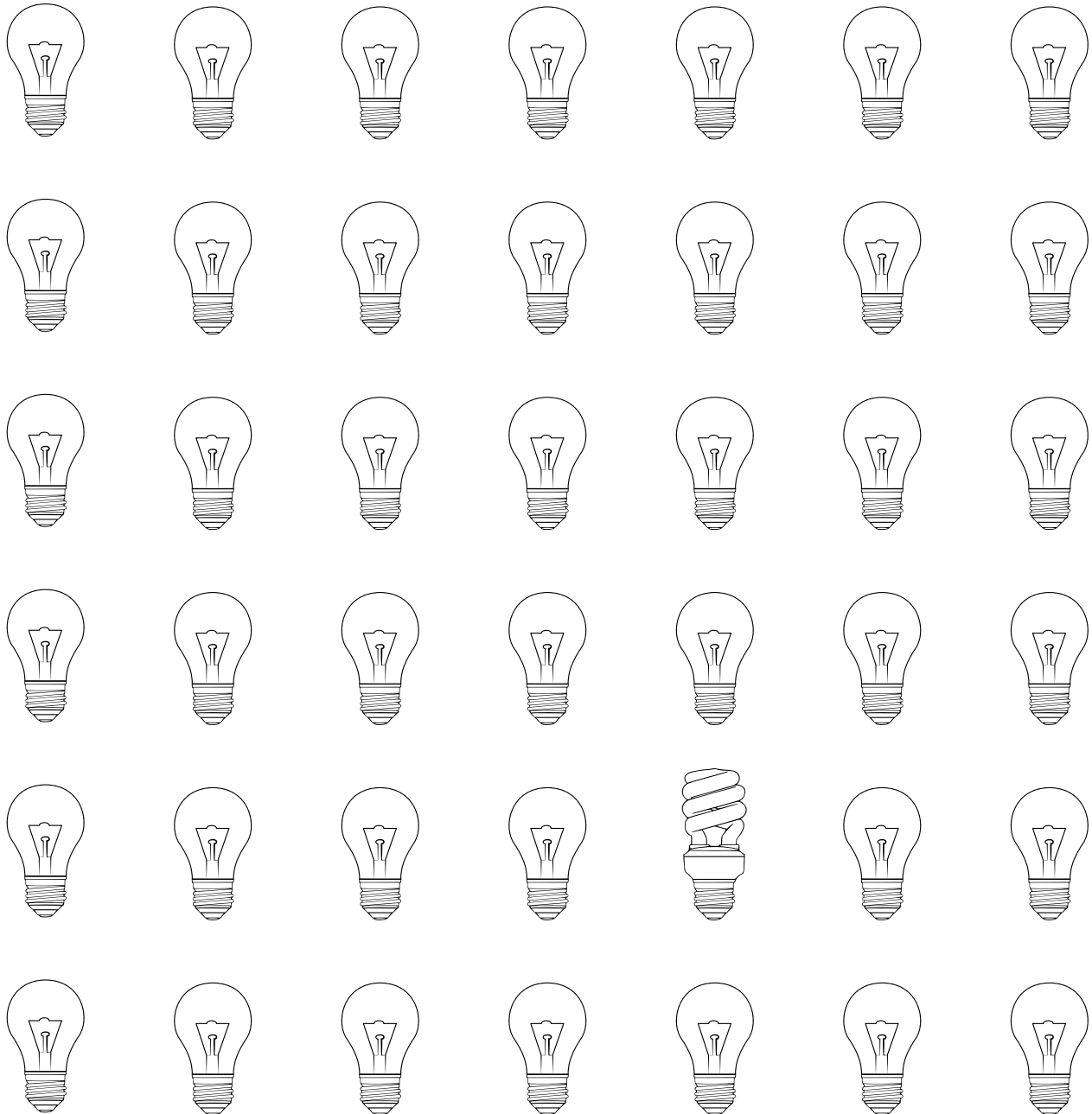


Never play or fly kites near power lines and avoid anything that says "high voltage." See the last page for more safety tips, or go to delmarva.com



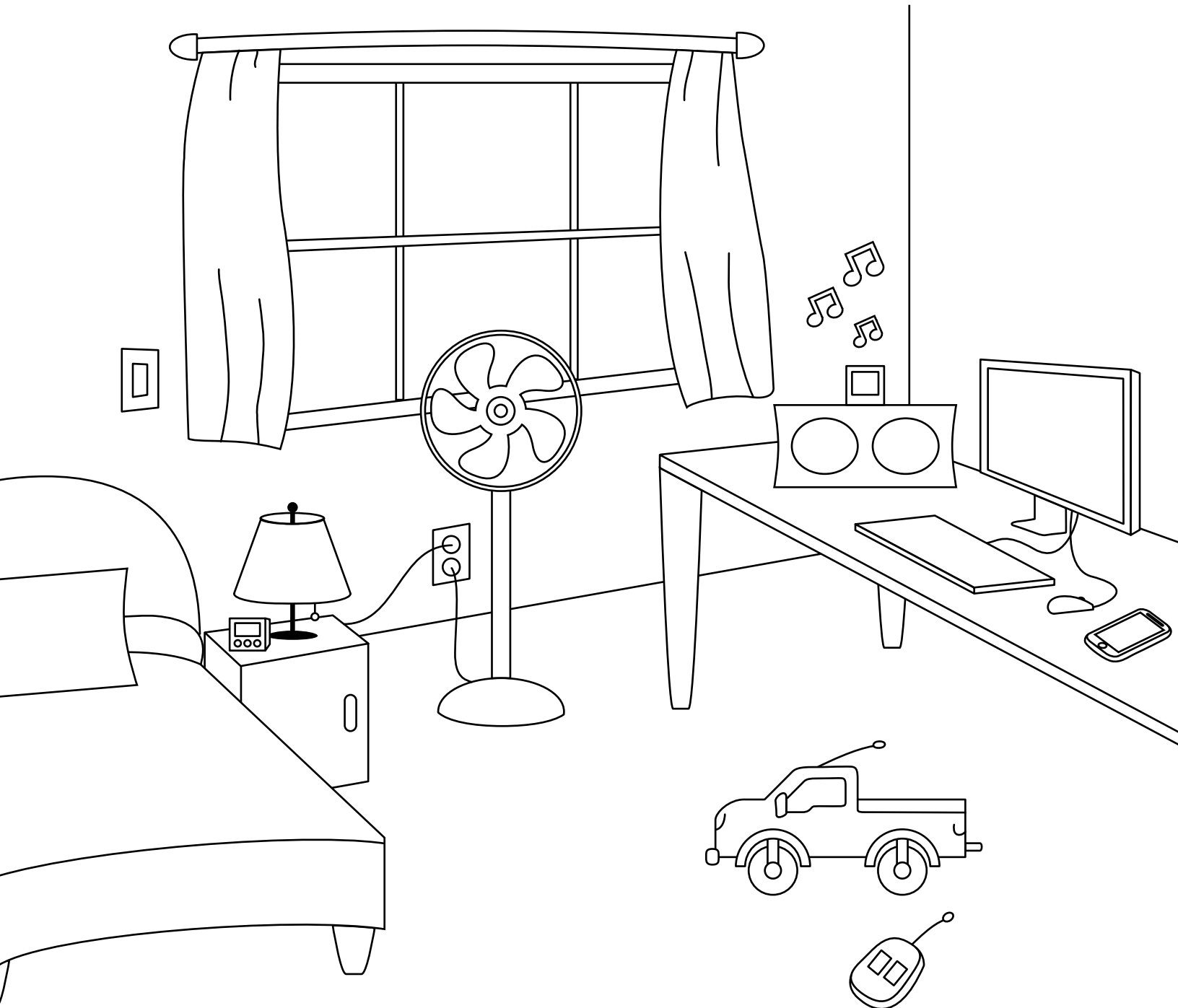
A little light on the situation

Energy efficient light bulbs, such as compact fluorescent lights (CFLs), look different from regular light bulbs. Most importantly, they use less energy. Circle the CFL bulb below.



?? Find the source

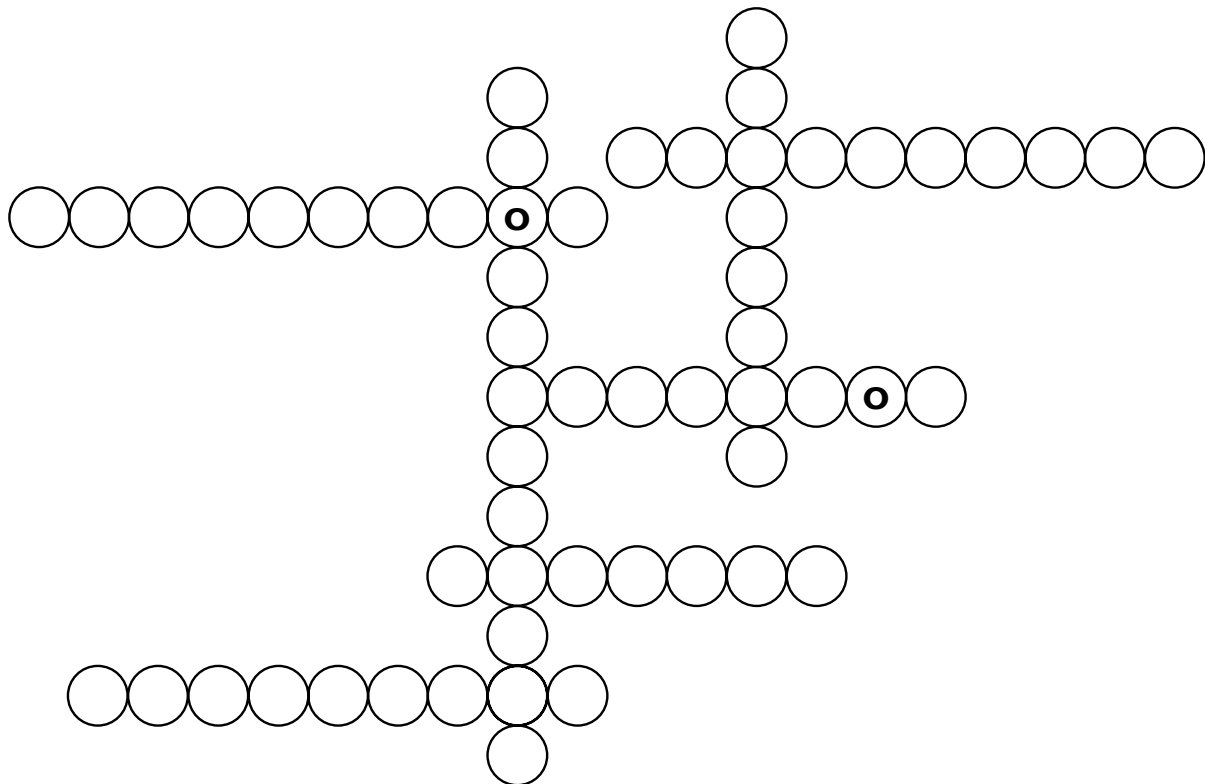
Circle the items pictured in the bedroom below that use electricity.





Catch the energy thief

Electronics can suck out energy even when you're not using them. These "energy thieves" should be turned off and unplugged when you're not using them. Fill in the crossword puzzle with the list of words below to reveal common energy thieves!



LIST OF SUSPECTS

Television

Cable Box

DVD Player

Game System

Computer

Phone Charger

Printer



Go over the facts

Congratulations! By completing these exercises and following the tips below, you're now qualified to be an energy detective! Start investigating ways to save energy in your home today.

CONSERVING ENERGY TIPS	ELECTRICITY SAFETY TIPS
<ul style="list-style-type: none">■ Turn off televisions, game consoles, computers and other electronic devices when you're not using them;■ Be sure to close the door completely when you leave the house;■ Turn off the lights whenever you leave a room;■ Have an adult set thermostats to 78° in summer and 68° in winter;■ Keep electronics unplugged when you're not using them.	<ul style="list-style-type: none">■ Never play near power lines, poles, substations, utility towers, or pad-mounted transformers;■ Don't climb trees near power lines or poles holding utility wires;■ Never touch a power line. If you find a fallen power line, tell your parents immediately. They should call Delmarva Power at 1-800-898-8042 or 1-800-898-8045;■ Never stick any object into a power outlet;■ Never touch anything electrical with wet hands.

SAVE MONEY SAVE ENERGY.



Delmarva Power customers:
For more tips, tools and program information, visit
delmarva.com/SaveEnergy or call 1-866-353-5799

delmarva.com

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This program supports the EmPOWER Maryland Energy Efficiency Act.

