

GENERATION E

ENERGY ED AND JENNY JAY'S MANITOBA ADVENTURE





WHAT IS ENERGY EFFICIENCY ?

THIS BOOK BELONGS TO:

Everything around us needs energy to move and work. Appliances in our homes, such as toasters, refrigerators, and stoves, need energy to work.

Electronics in your classroom need energy to charge, and lights need energy to turn on. It's important we use this energy carefully so that we don't waste it or use more than we need.

Using less energy to do the same tasks is called energy efficiency. Being energy efficient helps the environment by using less of the world's resources.

Every one of us can make changes in our lives to be more energy efficient.

Join our friends Energy Ed and Jenny Jay on an adventure to learn how!



SAY HELLO TO JENNY JAY & ENERGY ED

MEET JENNY JAY

She's a two-year-old blue jay born in Birds Hill Provincial Park. Jenny is wise beyond her years and loves people-watching.

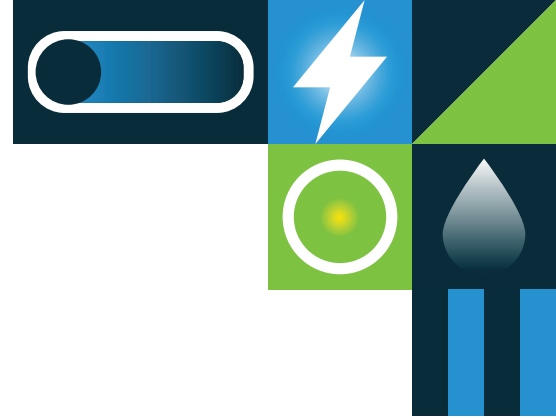
Growing up in Birds Hill, Jenny saw hundreds of families go on camping trips each year. Most trips were the same, but one family stood out to her.

This family didn't use electricity their entire trip (not even their cell phones)!



This sparked Jenny's interest in energy efficiency. She learned how to save energy and became passionate about sharing her knowledge with her best friend, Energy Ed.

She knows what energy can do when it's put to good use and that you don't need to use it all the time.



SAY HELLO TO JENNY JAY & ENERGY ED

MEET ENERGY ED

He's a Manitoba Plains bison who was born in Riding Mountain National Park. Ed grew up in the wild, but his parents told him stories about humans and how wasteful they could be.

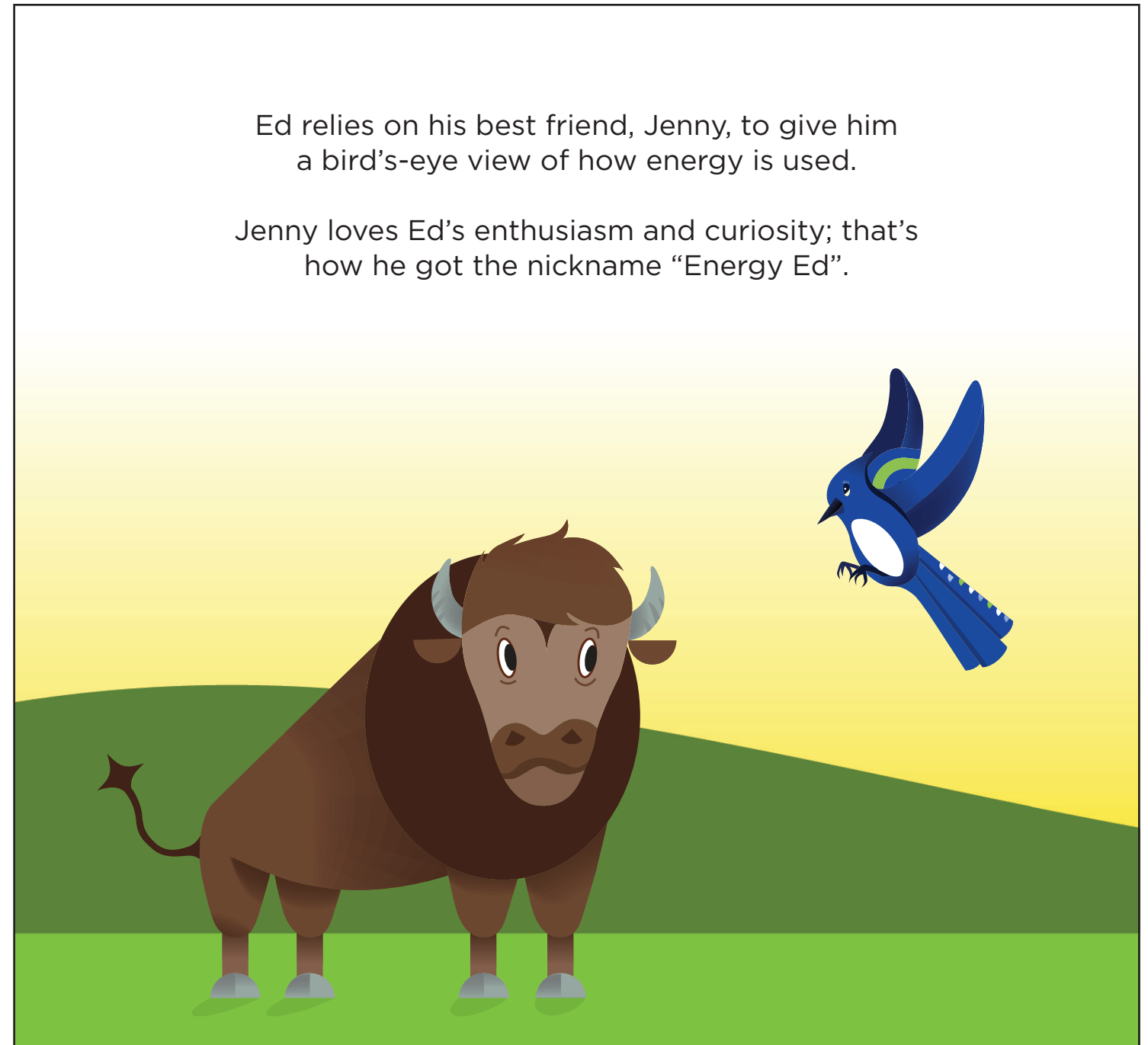
Humans drove through the plains in noisy vehicles that gave off heavy dark smoke and made the bison sick. They would also carry out heavy equipment that used lots of electricity!

As he grew up, he heard humans were getting better at using less energy. Their cars were quieter and gave off less pollution, and they brought fewer appliances and electronics to the park.

"Could humans be becoming more efficient?" he wondered. While he didn't have all the answers, he knew someone who might.

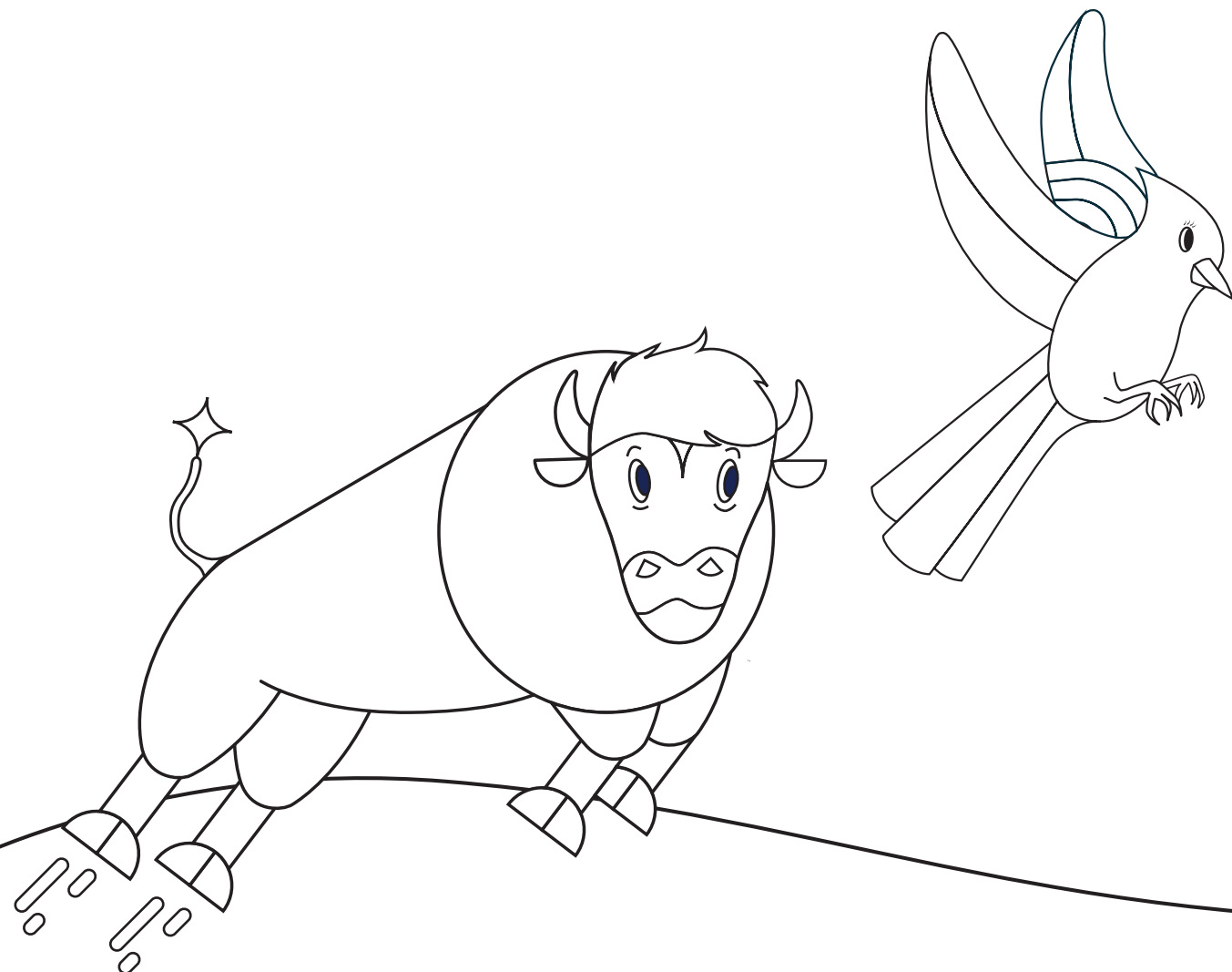
Ed relies on his best friend, Jenny, to give him a bird's-eye view of how energy is used.

Jenny loves Ed's enthusiasm and curiosity; that's how he got the nickname "Energy Ed".



JENNY JAY AND ENERGY ED WANT TO TAKE YOU ON A JOURNEY TO TEACH YOU HOW TO BE MORE ENERGY EFFICIENT.

Being energy efficient means using less energy, which helps the environment. There are many things we can do at home, at school, and in our everyday lives to be more energy efficient.



JENNY JAY VISITS ENERGY ED IN RIDING MOUNTAIN NATIONAL PARK

Use these words in the story below:

unplug	efficiency	walk	electricity
charged	outdoors	save	heat

One winter day, Jenny the blue jay flew to Riding Mountain National Park to visit her best friend, Energy Ed.

A cool breeze blew in the air, causing Jenny to shiver. “Ed, I love visiting you, but it’s so cold today!”

“In the grasslands, we stay warm with the _____ from the sun, and of course our thick fur coat,” Ed explained. “Why don’t we go play in the sun?”

“That’s a great idea, Ed,” Jenny said excitedly.

Ed suggested playing a classic game of bison tug-of-war.

“I love it when you come to visit me at the park, Jenny,” Ed said joyfully. “Spending time _____ playing yard games is a great way to _____ energy.”

While Jenny agreed that she loved visiting Ed and loved playing yard games, she didn’t think that tug-of-war was the right game for her. “Can we go for a _____ around Clear Lake instead?” asked Jenny. “Going for a walk is a fun activity that doesn’t use _____.”

“That sounds like a great idea!” Ed exclaimed. “Oops, that reminds me, I better go to the Visitor’s Centre to _____ my tablet. It should be fully _____ by now.”

“Hey, why don’t we explore more places in Manitoba too, Ed?” Asked Jenny. “I bet we can learn more about energy _____.”

“Sure!” Ed said. “Where do you have in mind?” ...

Answer key on **page 18**

WORD SCRAMBLE

JENNY JAY & ENERGY
ED EXPLORE THE FORKS
IN WINNIPEG

- GERYNE

The Forks Market has taken steps to become more _____ efficient. It uses natural energy that’s stored in the earth and river to heat and cool the building.
- LEYCRNICG

There are lots of _____ bins around The Forks. This makes it easy to avoid putting plastic, paper, and cans in the garbage!
- TRAWE

Did you know that The Forks Market saves 3 Olympic-sized pools of _____ every year?
- CLTLOCE

Rainwater tanks help The Forks _____ water to use on their skating surfaces in winter.
- WEPRO

The Forks also uses vegetable oil waste from their deep fryers to _____ vehicles, like their site truck and ice-rink smoother!
- BITAMNAO

It’s great to see the changes local businesses are making! Just like them, we can all play a part in helping the province of _____ become more energy efficient.
- LROAS

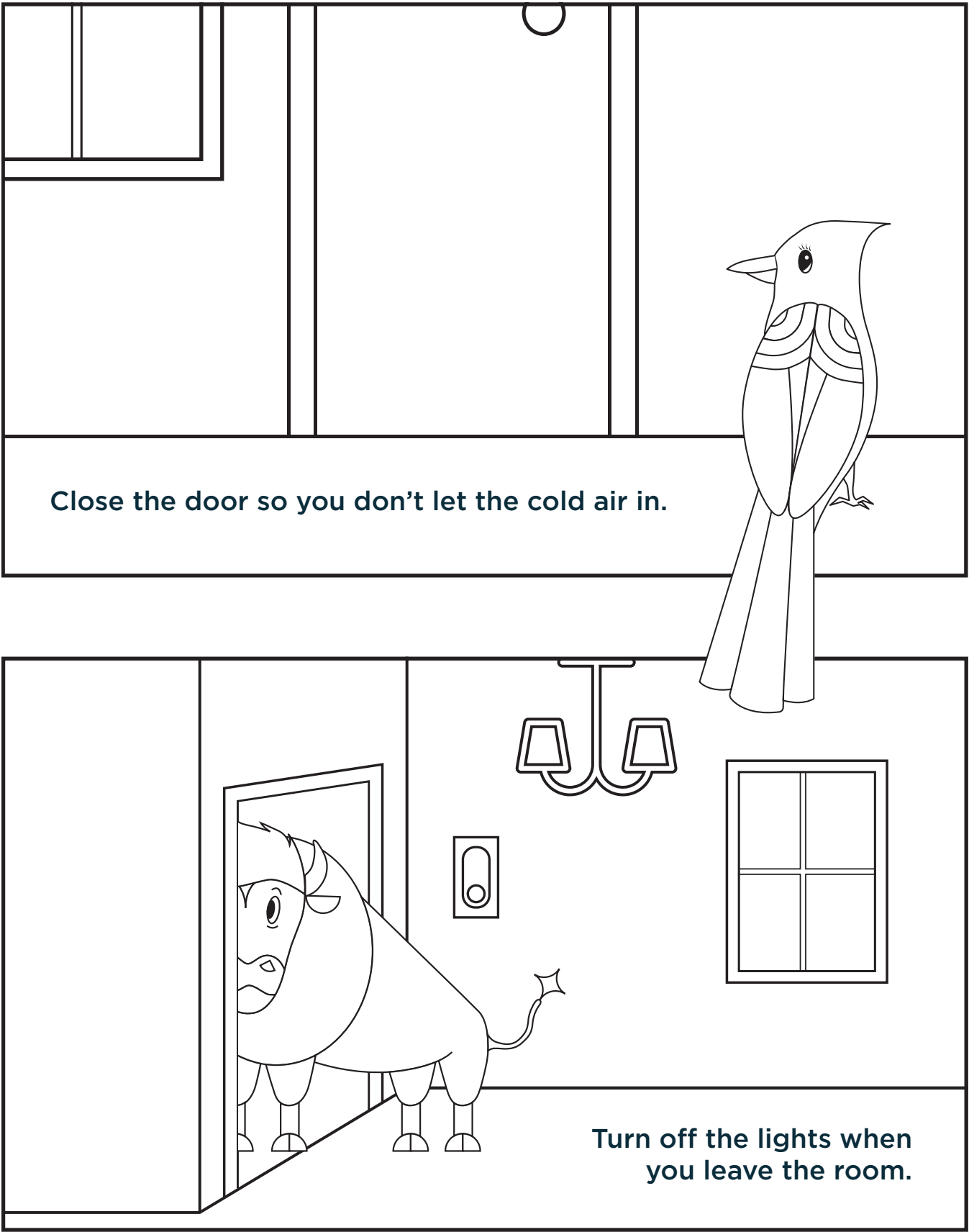
The Forks is always trying to be more energy efficient and are currently researching how they can use the energy from the sun by using _____ heat.



Answer key
on **page 18**



COLOURING PAGE



SPRINGTIME IN CHURCHILL

Jenny Jay and Energy Ed asked some local Churchill residents what they should do during their visit to Churchill. They got lots of recommendations, but some words got lost in the mix! Help Jenny and Ed find these words so they can plan their trip.

- 1. There are lots of reasons to **unplug** and go outside when you're in Churchill.
- 2. Instead of watching TV and using electricity, you can go **birdwatching**!
- 3. There are no roads to Churchill — so leave your **car** at home!
- 4. You can only get to Churchill by **plane** or train.
- 5. It is important to be energy efficient to save our **polar** bears.
- 6. Looking for a thrill and an efficient way to travel? Give dog **sledding** a try! It doesn't need gas to run and the sled dogs love it!
- 7. Missing the connection to technology? You won't after you watch the beautiful northern **lights** dance across the sky.
- 8. Have you ever been in a kayak? Have you ever seen a beluga **whale**? Have you done both at the same time? Try it in Churchill!
- 9. Learn about Inuit carvings and artifacts at the Itsanitaaq **Museum**.
- 10. Don't forget to check out the **Fort** of Prince Wales National Historic Site, built 250 years ago! Learn how fur traders lived in the subarctic at this massive stone outpost.

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

Answer key on page 18



CROSSWORD

ENERGY ED VISITS TURTLE MOUNTAIN PROVINCIAL PARK

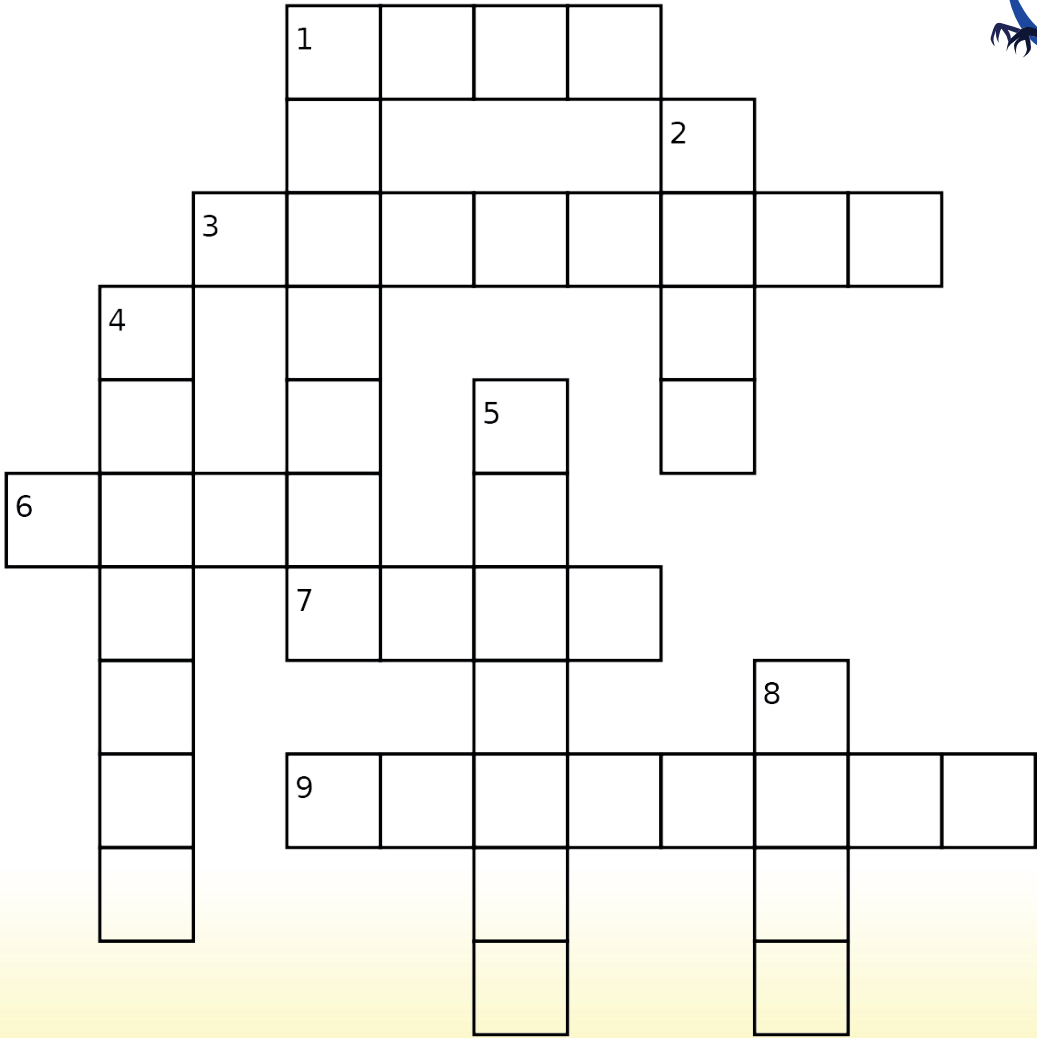
Energy Ed wants to do more activities that burn his energy and don't use electricity. Can you help him by finding these words?

Across

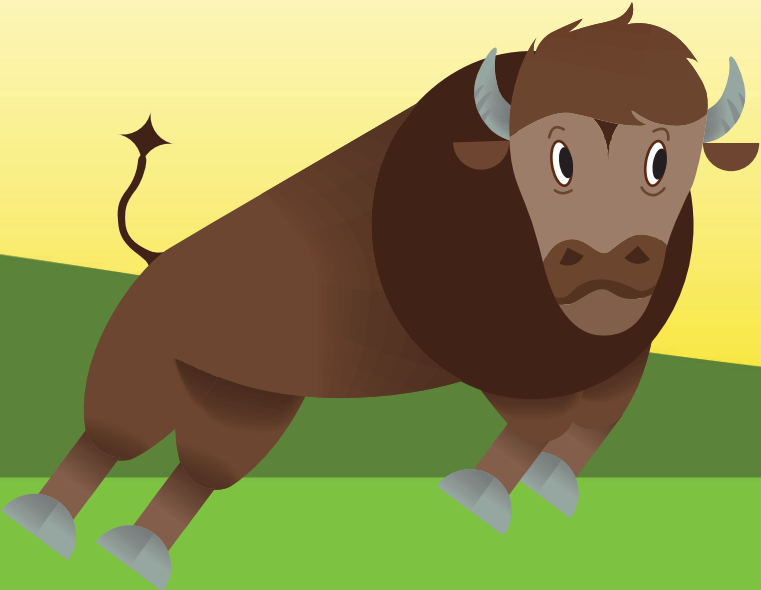
- 1. Thankfully Ed brought binoculars to watch Jenny fly around in the sky with her friends who are this type of animal.
- 3. When camping, this is an energy efficient and fun way for Ed and Jenny to cook their meals! (Also, make sure an adult is always present when around this.)
- 6. This activity is a great way for Ed and Jenny to burn energy on the activity trail at Adam Lake.
- 7. Time for bed! Jenny and Ed now need a place to sleep, so they pitch one of these for shelter.
- 9. This water activity at Adam Lake Campground is a great way to spend some time unplugged from the electronic world.

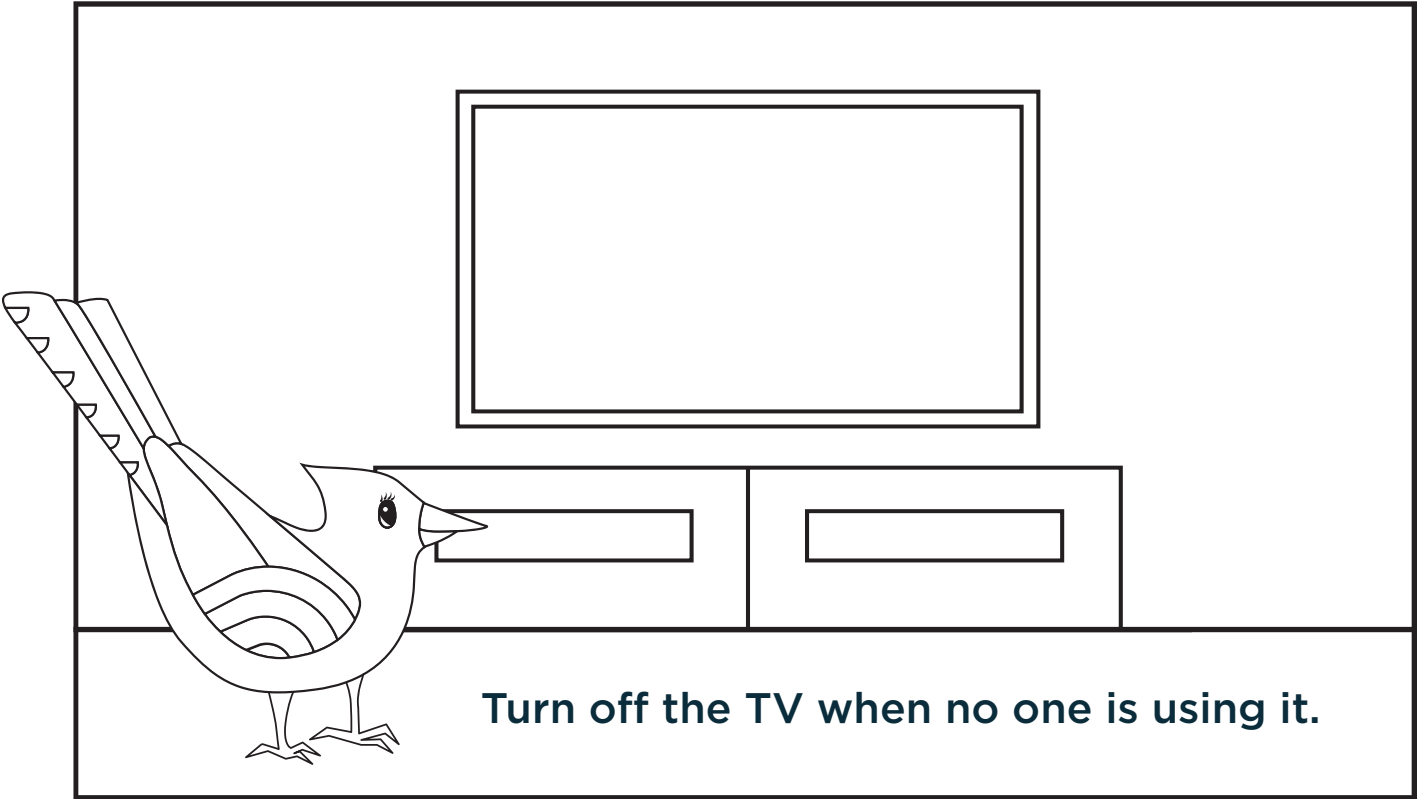
Down

- 1. After all this running around, Jenny and Ed need to re-energize their bodies with a picnic, so they pull out their basket and this item to sit on.
- 2. This would be a great way for Ed and Jenny to "pedal" around to all the different campgrounds and lakes in Turtle Mountain Provincial Park.
- 4. What kind of fish will Ed and Jenny catch at Bower Lake when they cast their fishing rods? Ed and Jenny can catch lots of this type of trout at Bower Lake when they cast their fishing rods. (Hint: think of colours.)
- 5. While sitting around the campfire, Jenny Jay can lead herself and Ed in this musical activity
- 8. During Jenny and Ed's hike, they should check this out from the top of the lookout tower.

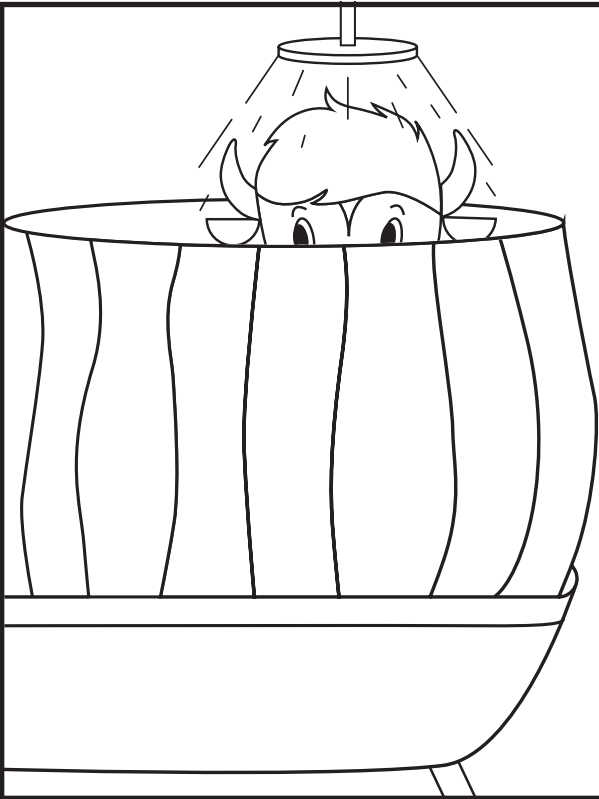


Answer key on **page 18**





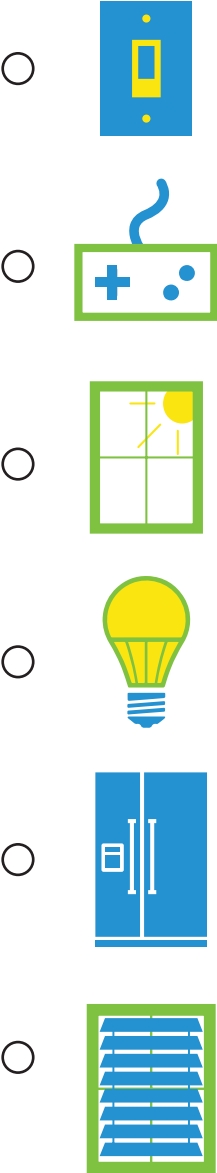
Take a shorter shower
to save hot water.



TIPS TO SAVE ENERGY AT HOME

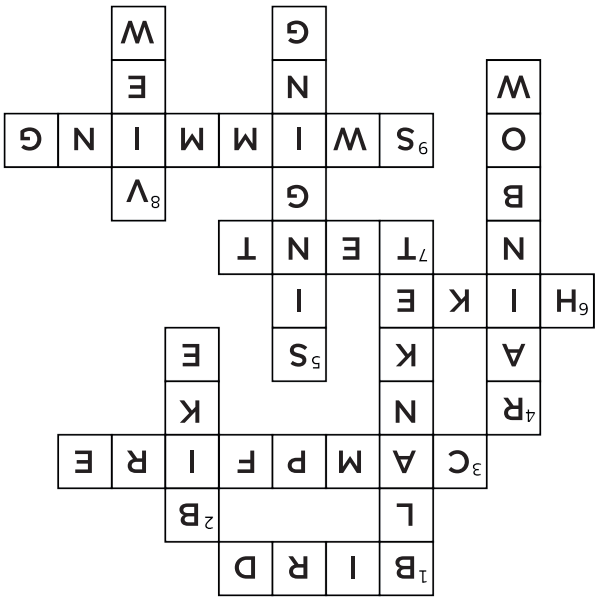
After they're done exploring, Energy Ed and Jenny Jay want to make energy-efficient choices at home. Help them by matching the images to the different ways you can save energy!

- 1. Unplug small electronic devices when you're not using them. ☐
- 2. Don't leave your fridge door open for longer than you need to. ☐
- 3. Ask your parents if all the lights in your home are LED. ☐
- 4. Turn off your lights when you leave a room. ☐
- 5. In the summer, close your curtains or blinds to keep the heat out and the inside cooler. ☐
- 6. In the winter, open the curtains and blinds to allow the warm sun in. ☐



DRAW SOME WAYS THAT YOU CAN SAVE ENERGY

ANSWER KEY



P	O	L	A	R	B	R	Y	G	J	D	A	I	S	H
F	O	R	T	C	A	P	S	K	N	W	Y	L	C	
G	G	F	X	A	Y	J	O	Y	G	G	L	I	E	F
A	A	O	Y	R	P	U	N	P	L	U	G	W	D	P
Y	W	M	I	V	D	M	N	U	K	W	K	A	D	L
E	P	X	H	U	B	U	M	B	V	C	Q	R	I	R
W	H	X	W	Y	D	I	X	I	O	W	B	M	N	M
S	X	B	H	A	G	U	P	R	V	B	G	N	G	G
S	Z	D	H	B	A	X	Z	Z	L	I	G	H	T	S
V	Z	A	J	L	L	Q	F	P	W	A	P	N	M	Z
K	S	D	E	B	V	N	E	R	X	G	E	S	R	K
I	O	I												
B	I	A	N											
W	O													
S	6	W	I	M	M	I								
G	N	I												
W	E													

FILL IN THE BLANKS

- Heat
- Outdoors
- Save
- Walk
- Electricity
- Unplug
- Charged
- Efficiency

WORD SCRAMBLE

- ENERGY
- RECYCLING
- WATER
- COLLECT
- POWER
- MANITOBA
- SOLAR



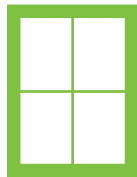
ED AND JENNY'S TOP TIPS FOR SAVING ENERGY



**TURN OFF THE LIGHTS IF YOU'RE
THE LAST ONE LEAVING THE ROOM.**



**ASK YOUR GROWN-UP TO UNPLUG ANY
ELECTRONICS THAT AREN'T BEING USED,
EVEN IF THEY'RE TURNED OFF!**



**IF YOU'RE CHILLY IN THE WINTER, OPEN UP
YOUR CURTAINS OR BLINDS! THE SUNSHINE
HELPS TO KEEP YOU TOASTY.**



**INSTEAD OF CRANKING THE AIR CONDITIONING
IN THE SUMMER, CLOSE YOUR CURTAINS OR
BLINDS. THIS WILL BLOCK THE SUN AND KEEP
YOU COOL.**

