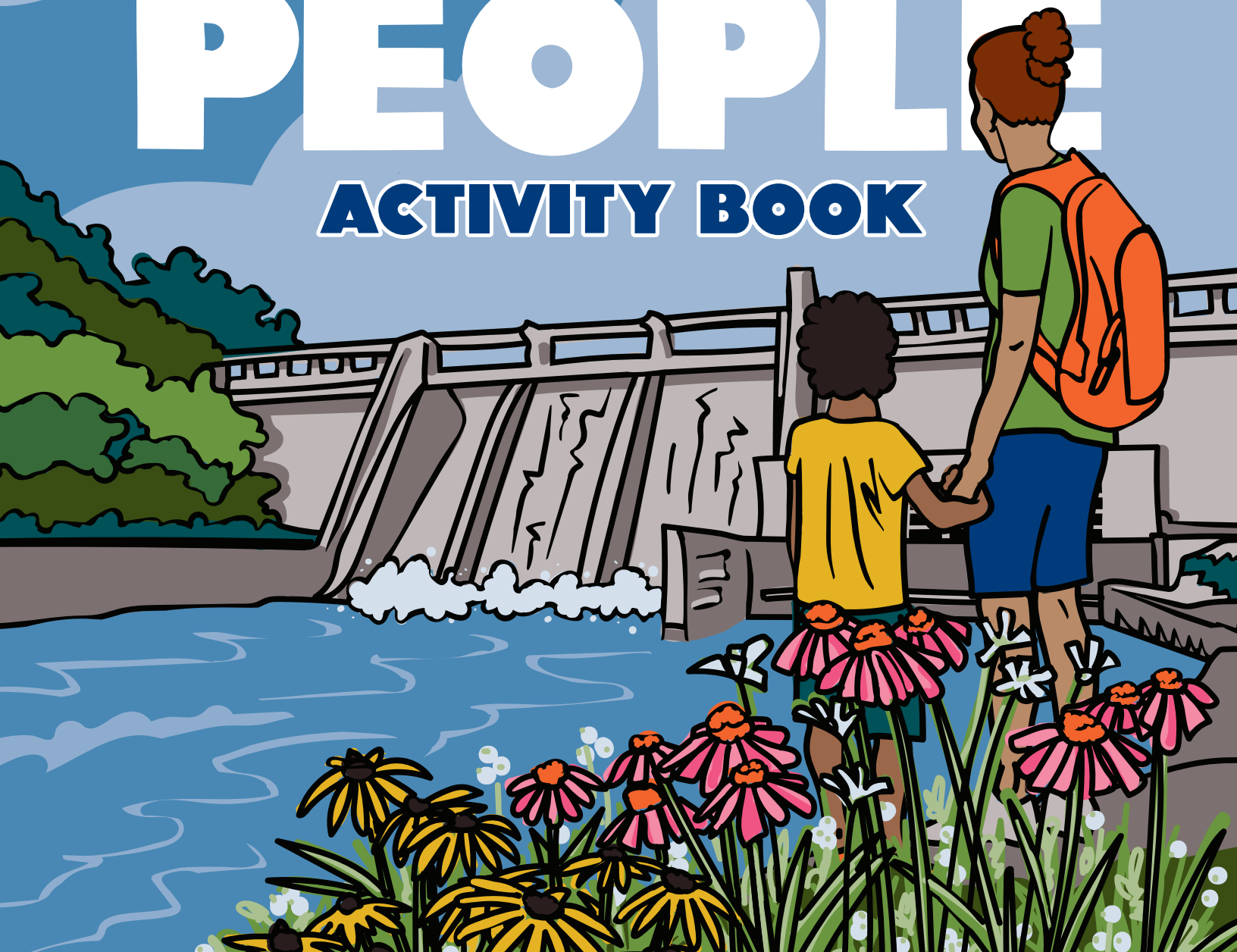


TVA TENNESSEE
VALLEY
AUTHORITY

BUILT FOR THE PEOPLE

ACTIVITY BOOK



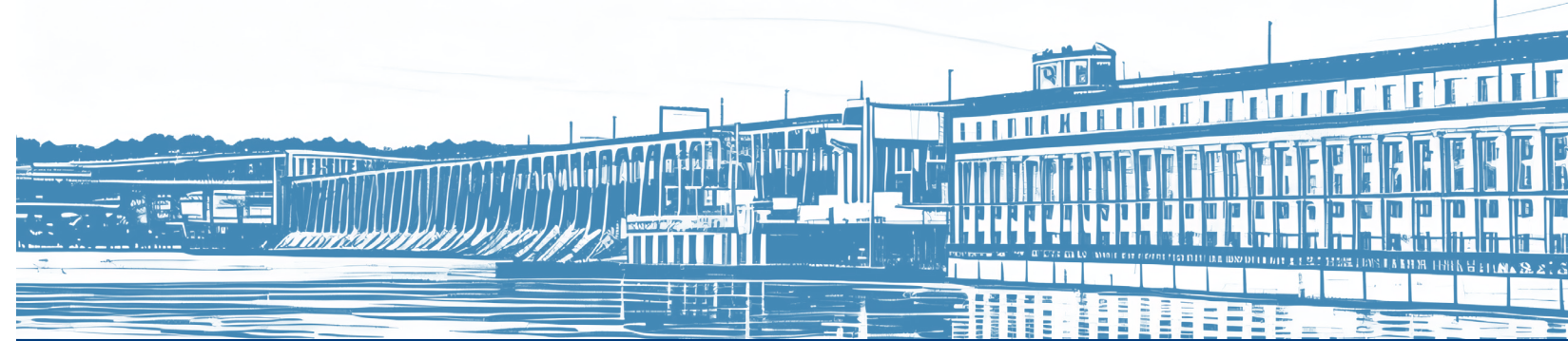
TVA HISTORY

The U.S. government created TVA nearly 100 years ago in 1933.

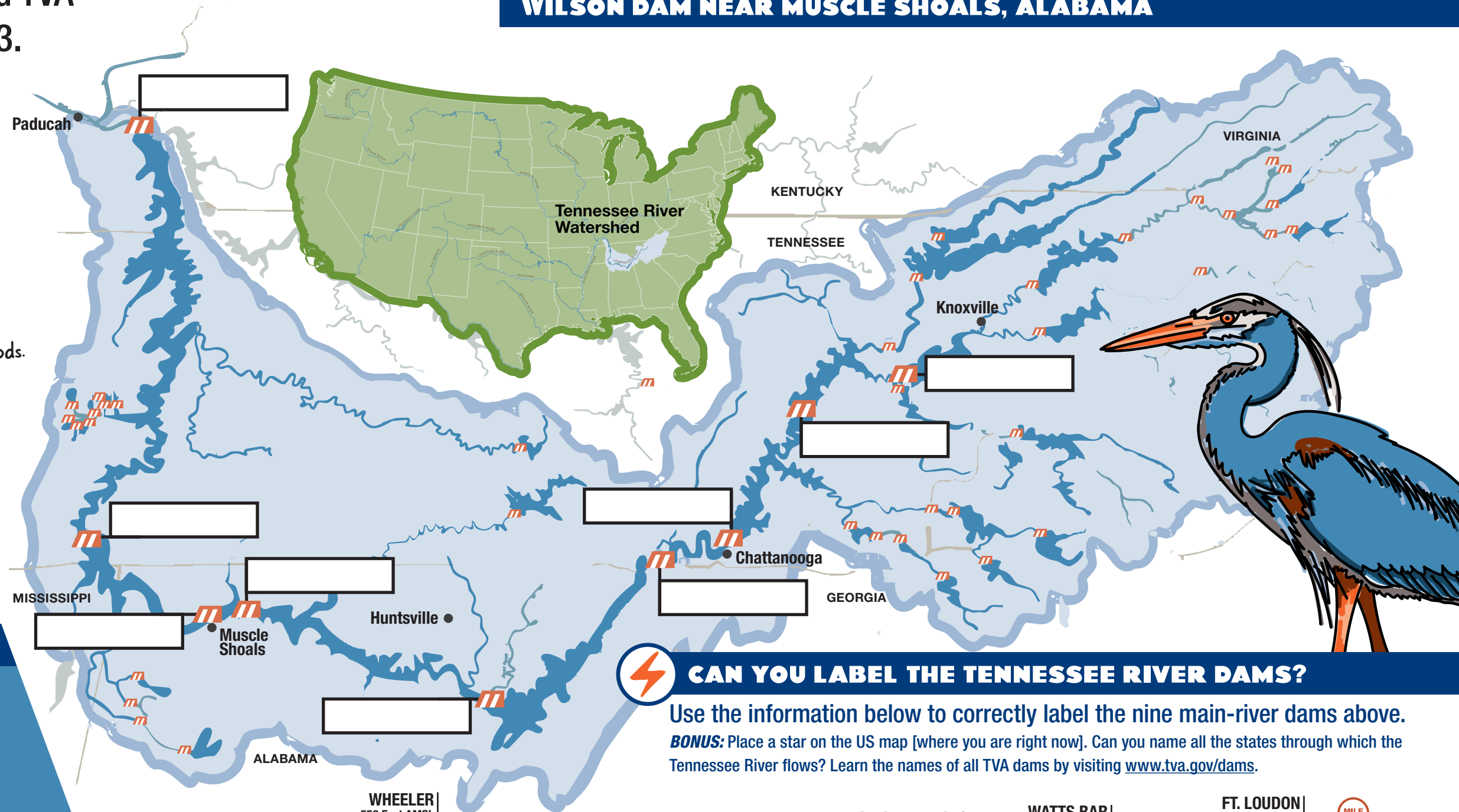
Before that, life was very hard for people in the area. The Tennessee River would flood a lot. Floods washed away crops, soil and even people's homes. Many people were struggling to find jobs because of a nationwide economic crisis called The Great Depression. Most homes outside cities had no electricity.

TVA went to work building dams along the river. The dams helped reduce the damage caused by floods. They also made it safe for big boats – called barges – to move up and down the river. These barges carried lumber, food and other supplies.

The dams also made electricity. Power from the dams helped bring electricity to homes and farms. That power also helped bring businesses to the area that gave people places to work.



WILSON DAM NEAR MUSCLE SHOALS, ALABAMA



TENNESSEE RIVER SYSTEM

There are nine dams along the Tennessee River. These dams work like a staircase. The river starts near Knoxville and travels 652 miles before it joins the Ohio River.

⚡ CAN YOU LABEL THE TENNESSEE RIVER DAMS?

Use the information below to correctly label the nine main-river dams above.

BONUS: Place a star on the US map [where you are right now]. Can you name all the states through which the Tennessee River flows? Learn the names of all TVA dams by visiting www.tva.gov/dams.



ENERGY AND TRANSMISSION

When you turn on a light switch, you get electricity from TVA's power system.

That electricity starts at a power plant. Some plants use flowing water to spin turbines – like huge fans underwater – to make electricity. Electricity can also be generated with coal, gas, sunlight and wind, or using nuclear energy – splitting up tiny atoms to release heat.

Then, the electricity travels through power lines – over 16,400 miles! That's like driving from Nashville to New York 18 times! These lines carry electricity to towns and cities across the region.

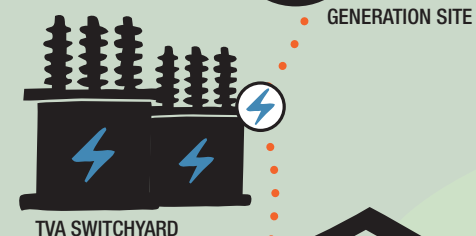
Next, the electricity goes to your electric company. They use power lines to bring electricity to your home, your school and stores near you. TVA works with 153 local electric companies to serve more than 10 million people each day.

TRANSMISSION CONNECT THE DOTS

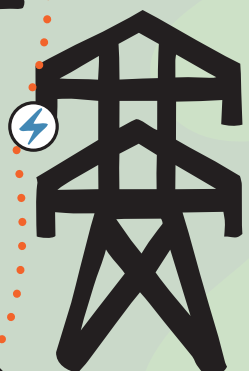
Connect the matching ⚡ starting at each generation site and following the order below:



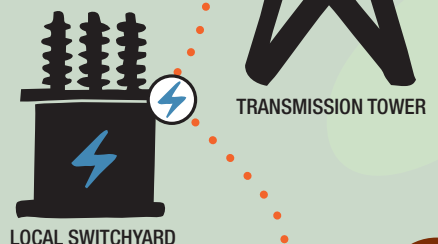
GENERATION SITE



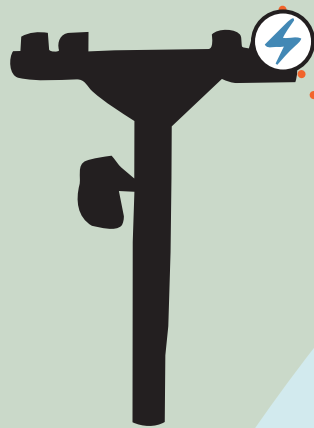
TVA SWITCHYARD



TRANSMISSION TOWER



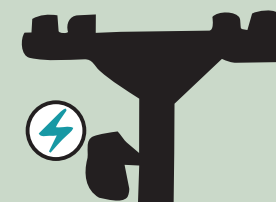
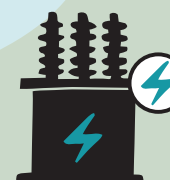
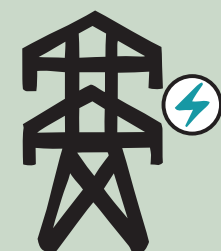
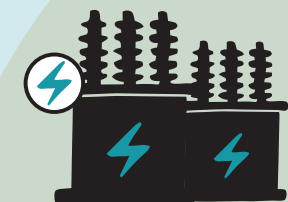
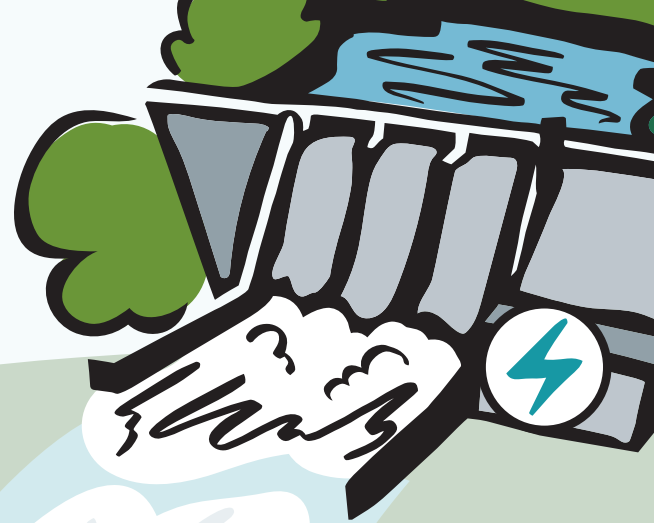
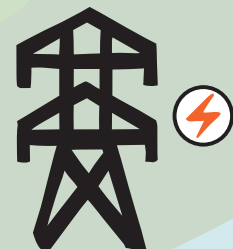
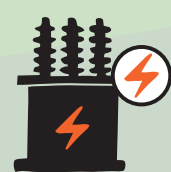
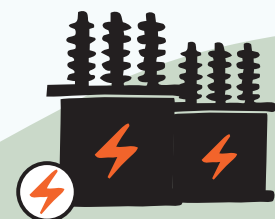
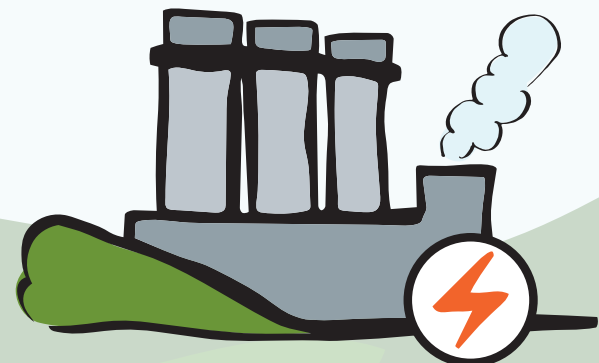
LOCAL SWITCHYARD



LOCAL POWERLINE



LOCAL POWERLINE

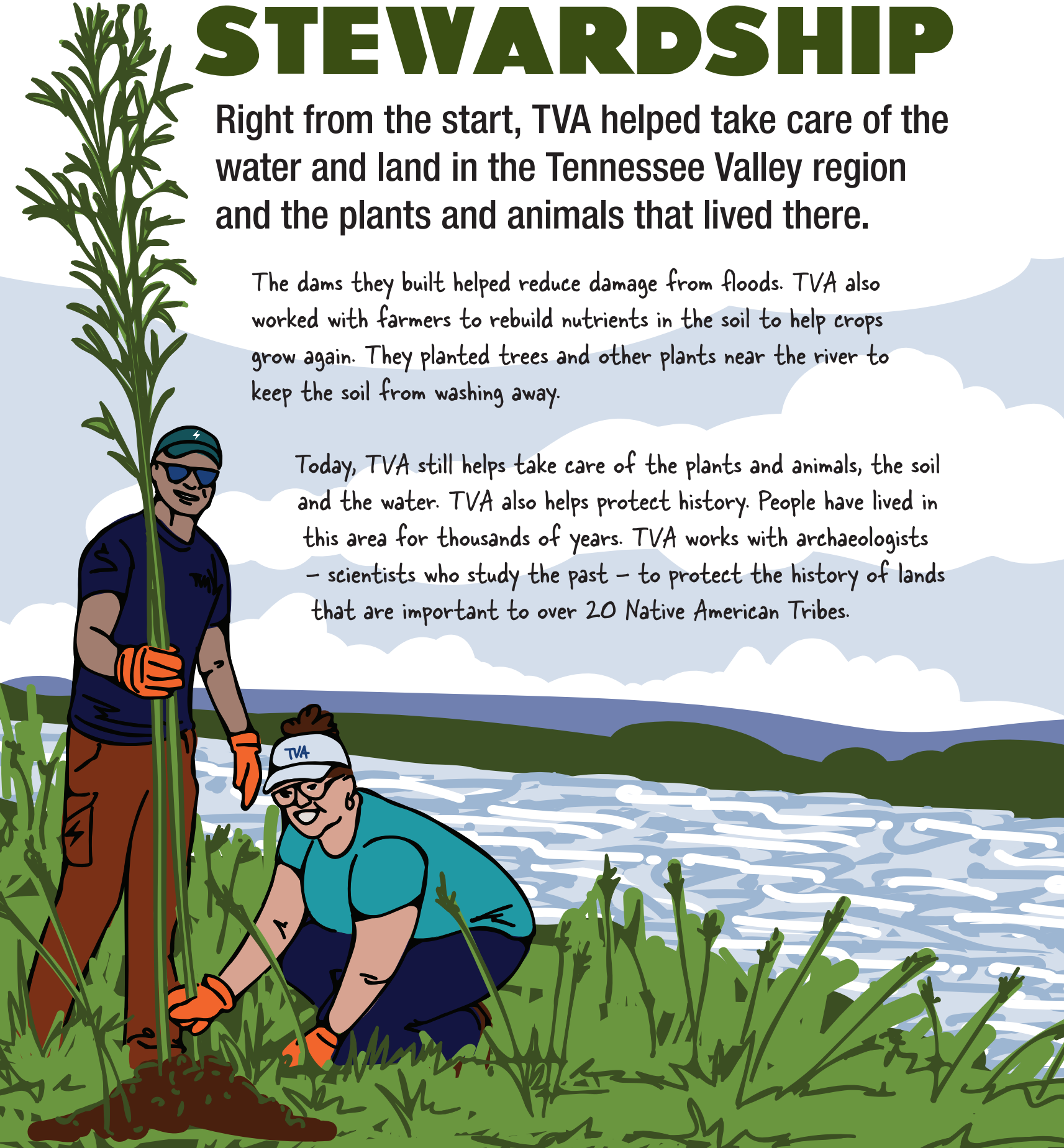


ENVIRONMENTAL STEWARDSHIP

Right from the start, TVA helped take care of the water and land in the Tennessee Valley region and the plants and animals that lived there.



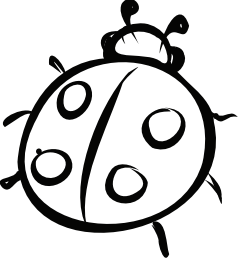
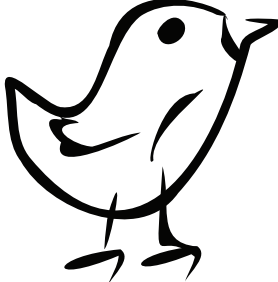


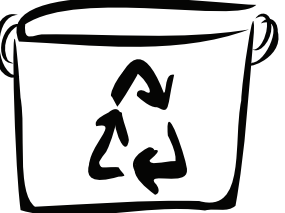
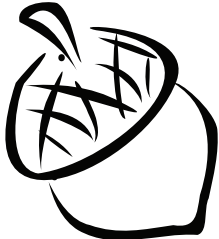
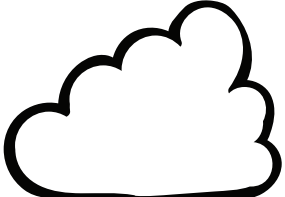

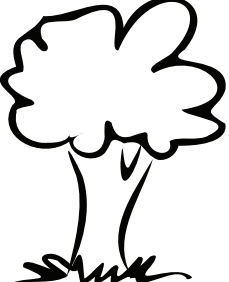


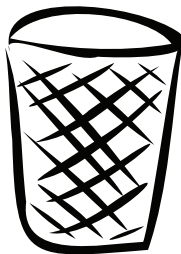

The dams they built helped reduce damage from floods. TVA also worked with farmers to rebuild nutrients in the soil to help crops grow again. They planted trees and other plants near the river to keep the soil from washing away.

Today, TVA still helps take care of the plants and animals, the soil and the water. TVA also helps protect history. People have lived in this area for thousands of years. TVA works with archaeologists – scientists who study the past – to protect the history of lands that are important to over 20 Native American Tribes.



GO ON A NATURE HUNT

Enjoy the great outdoors and observe the world around you, then color each item you find.

LEAF	BICYCLE	ROCKS	BUG
			
BIRD	FLOWER	WATER BOTTLE	RECYCLE
			
SEED	CLOUD	TURTLE	TREE
			
WATER	GRASS	TRASH CAN	BUTTERFLY
			

LET'S PLAY

TVA takes care of over 290,000 acres of land – that's an area about the size of Nashville – and more than 11,000 miles of shoreline, keeping the water and land healthy.

It also gives people fun places to enjoy the outdoors – both on land and in the water! People love to go boating and swim in the rivers and lakes. Many also like fishing, watching birds or hiking in the woods. There are lots of campgrounds too. You can stay, relax and enjoy nature for a while.



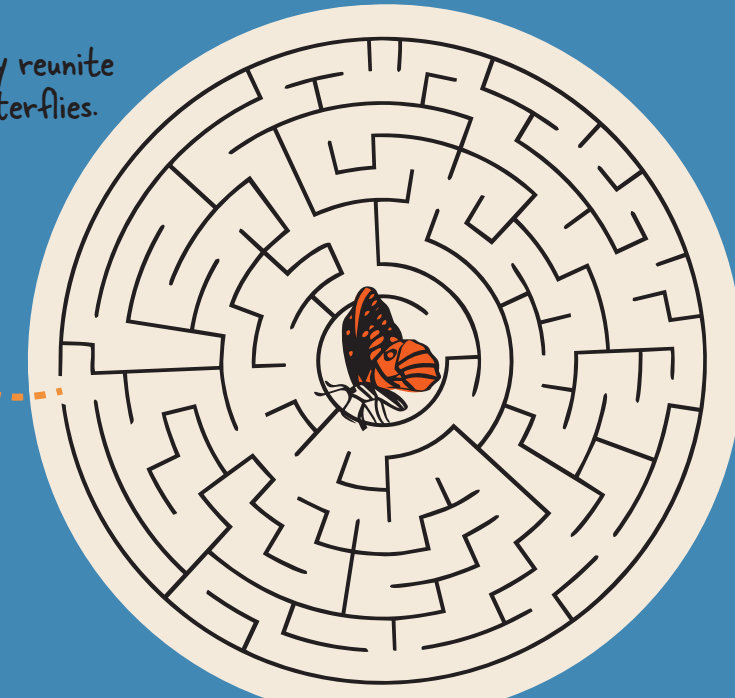
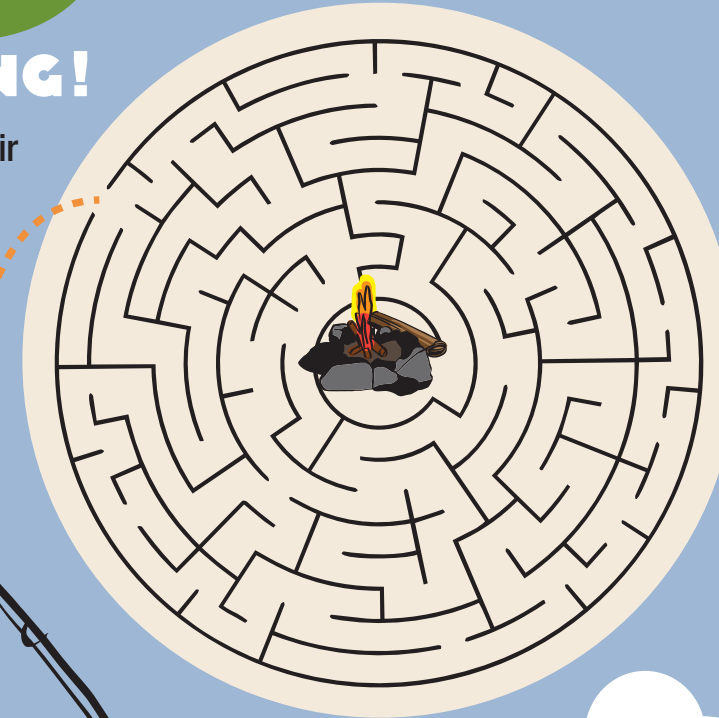
NATURE IS A-MAZE-ING!

Help these explorers find their way through each maze.

Help Tia find her campground.

Help Vinny catch a trout.

Help Abby reunite the butterflies.



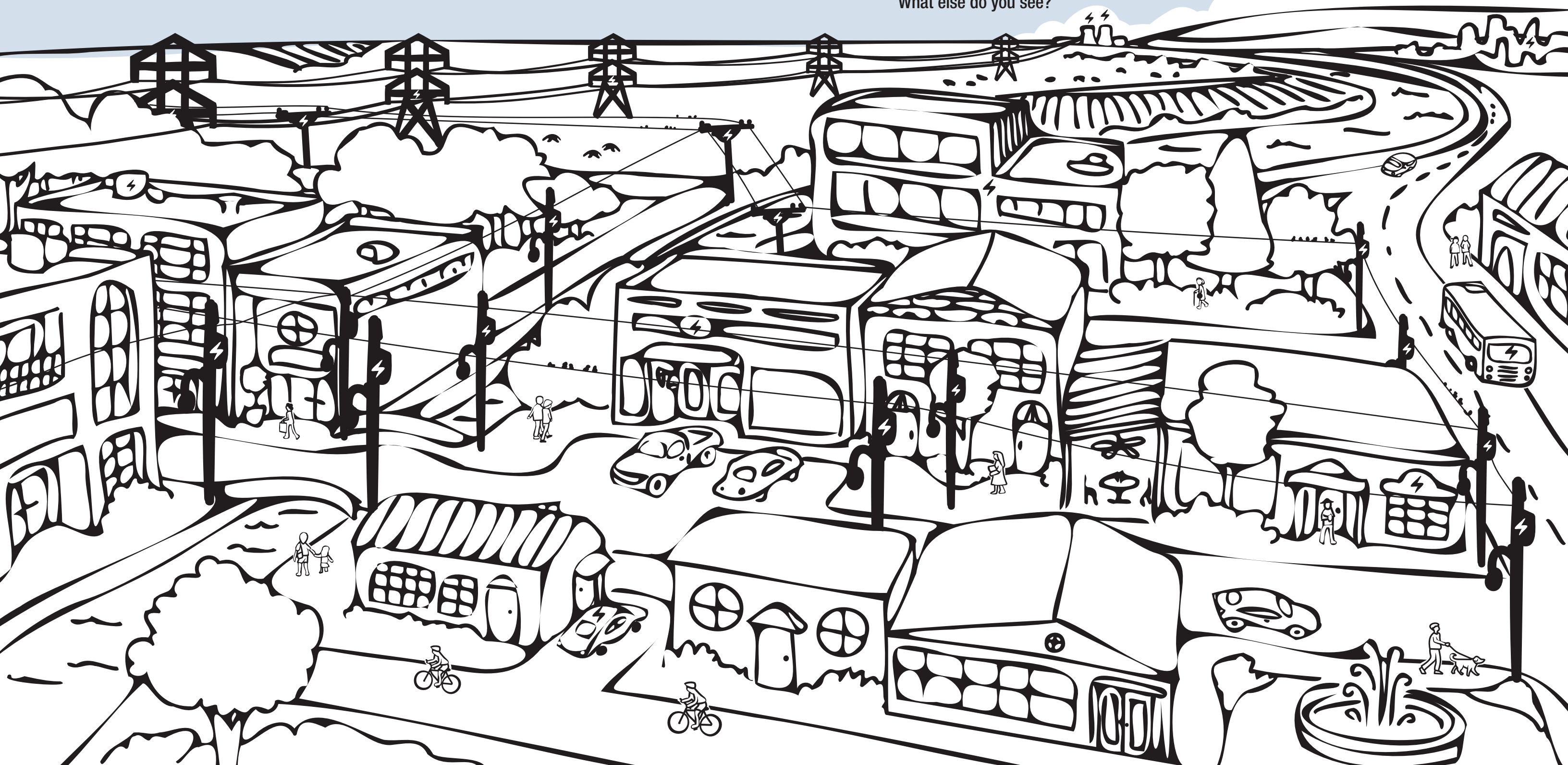
ECONOMIC DEVELOPMENT

The store on Main Street, the factory down the road and the new office building being built all provide jobs for the people who live in our towns. TVA brings new businesses to the Valley region and helps keep existing businesses growing.



CAN YOU FIND...

Color in the picture below. Can you find 20 energy bolts hidden on this page? What else do you see?



ENERGY EFFICIENCY

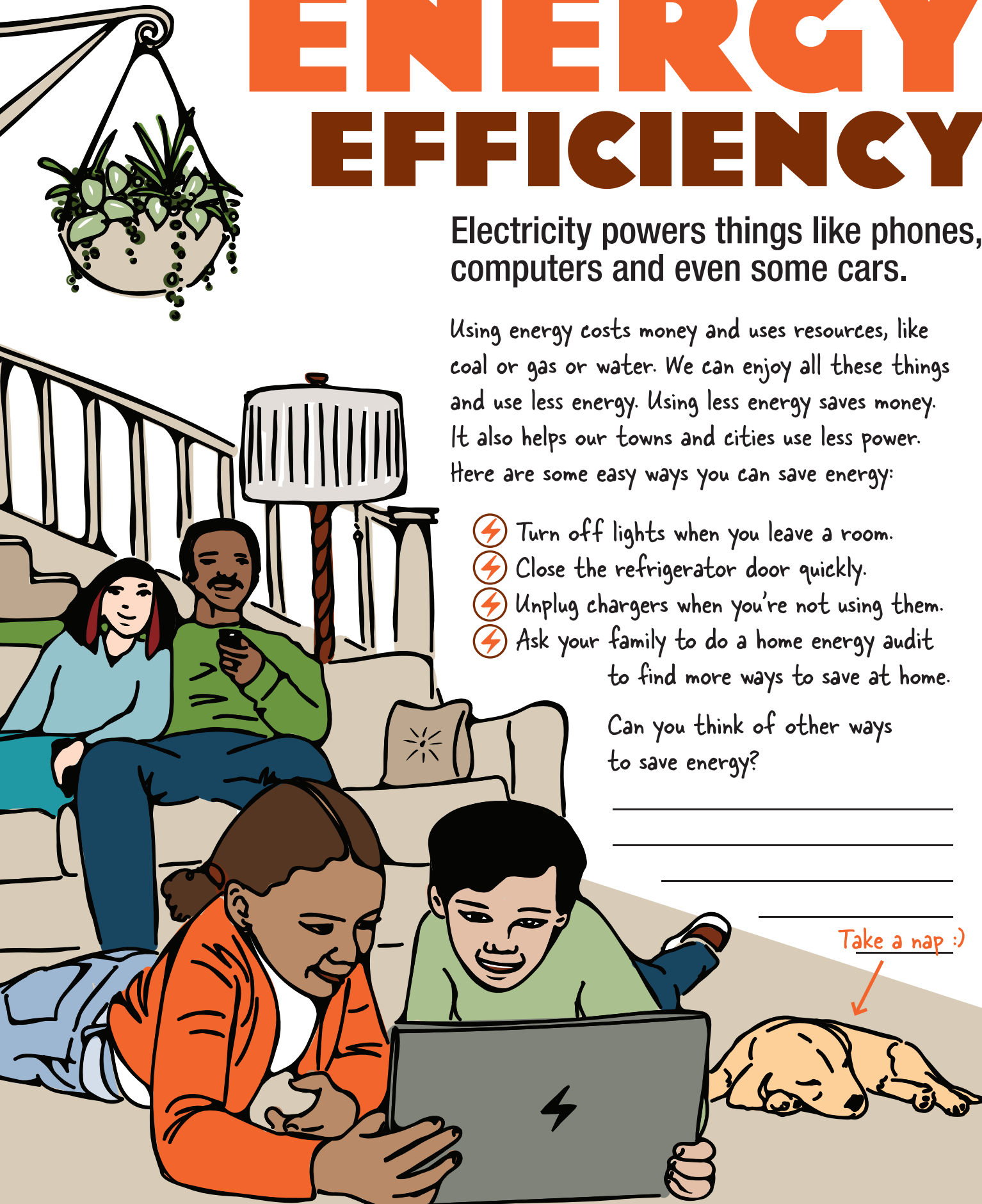
Electricity powers things like phones, computers and even some cars.

Using energy costs money and uses resources, like coal or gas or water. We can enjoy all these things and use less energy. Using less energy saves money. It also helps our towns and cities use less power. Here are some easy ways you can save energy:

- ⚡ Turn off lights when you leave a room.
- ⚡ Close the refrigerator door quickly.
- ⚡ Unplug chargers when you're not using them.
- ⚡ Ask your family to do a home energy audit to find more ways to save at home.

Can you think of other ways to save energy?

Take a nap :)



⚡ SAFELY SEARCH FOR ELECTRONIC ITEMS

These common household items use energy. Can you find and circle them all?

- | | | | | |
|-----------------|-----------|-----------|--------------|------------|
| AIR CONDITIONER | DRYER | IRON | PRINTER | SPEAKER |
| AIR FRYER | FAN | LIGHT | RADIO | TELEVISION |
| BLENDER | FREEZER | MICROWAVE | REFRIGERATOR | TOASTER |
| COMPUTER | HAIRDRYER | OVEN | ROUTER | VACUUM |
| DISHWASHER | HEATER | PHONE | SCREEN | VIDEOGAME |

A word search grid framed by a decorative orange border with plug and cord motifs. The grid contains the following letters:

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

TVA CAREERS

TVA's team includes people doing a lot of different work. We hire engineers and scientists. We hire lineworkers, welders and mechanics. We hire accountants and computer scientists. What are things you think about doing when you grow up?



WORK AND PLAY TIME

Activities you enjoy now can hint about what you might like to do in the future. Match each activity to at least one profession.



- CLIMBING TREES ●
- BUILD FORTS ●
- ROBOTICS ●
- PLAY TEAM SPORTS ●
- MAKE ART ●
- SCIENCE PROJECTS ●
- HIKING AND BOATING ●
- BUILDING LEGOS ●
- PUZZLES ●
- MAKING SLIME ●
- ARCHITECT ●
- BIOLOGIST ●
- CHEMIST ●
- ELECTRICIAN ●
- ENGINEER ●
- GRAPHIC DESIGNER ●
- LINEMAN ●
- MACHINIST ●
- PROJECT MANAGER ●
- SURVEYOR ●

