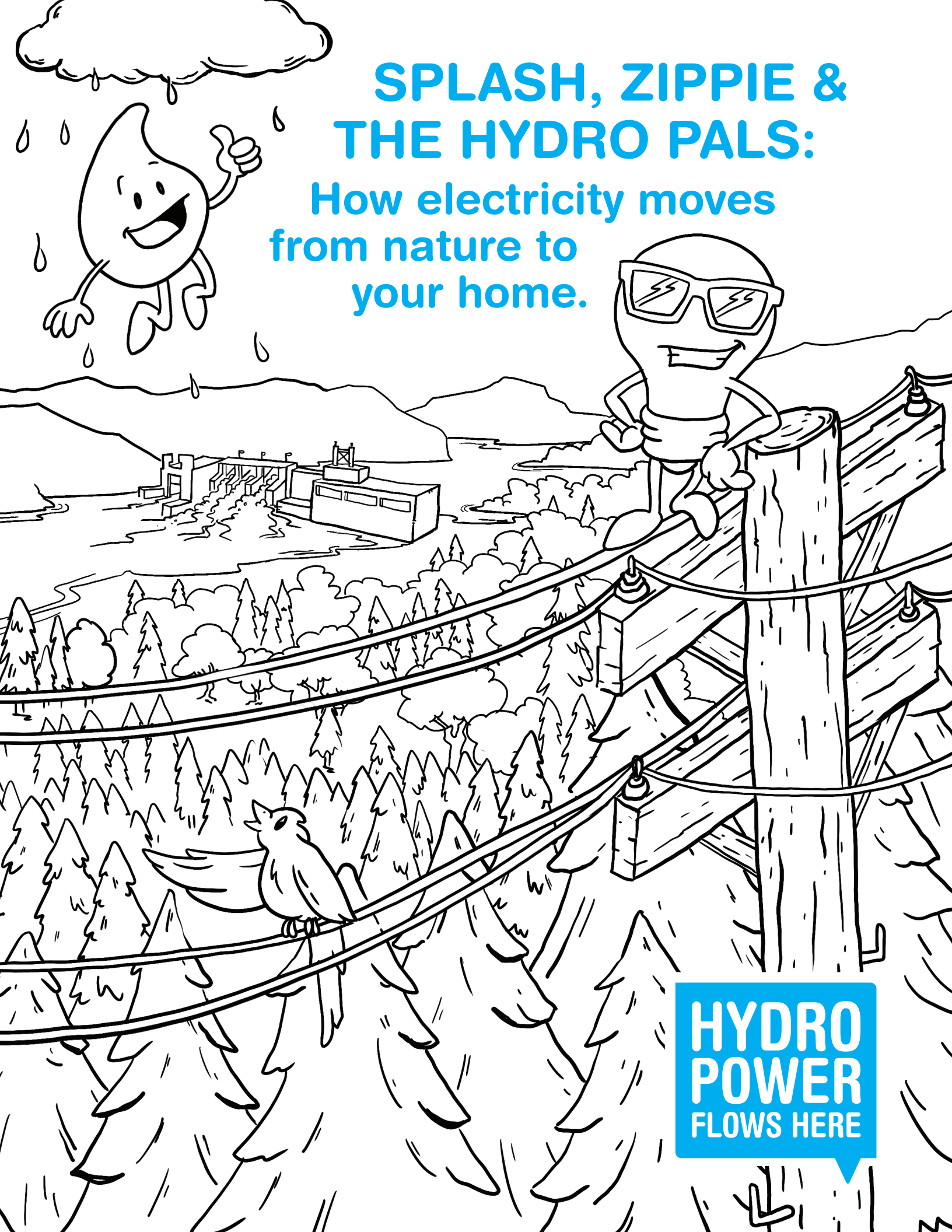


# SPLASH, ZIPPIE & THE HYDRO PALS:

How electricity moves  
from nature to  
your home.

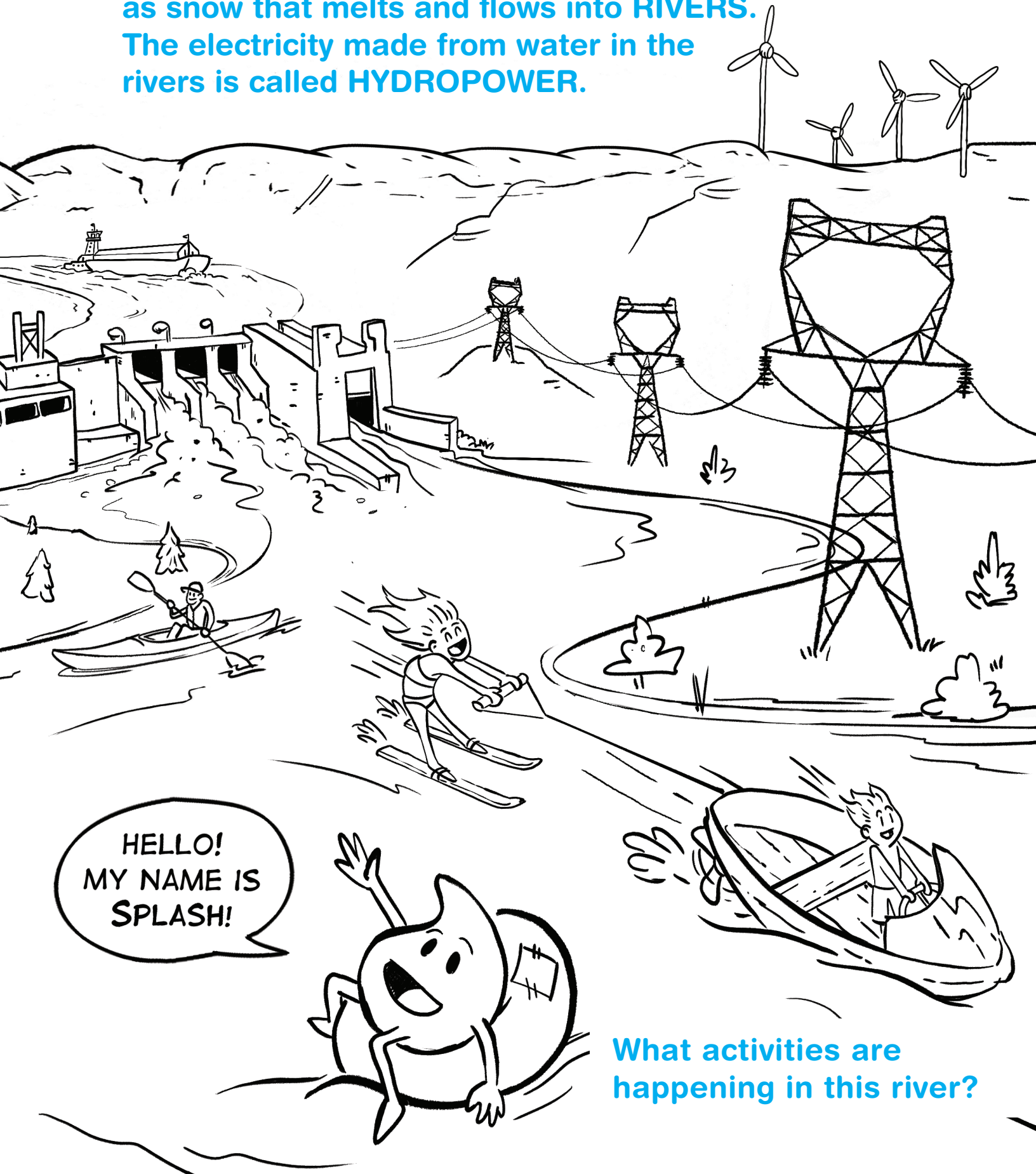


**HYDRO  
POWER  
FLOWS HERE**

What powers your lights and computers? **ELECTRICITY!**

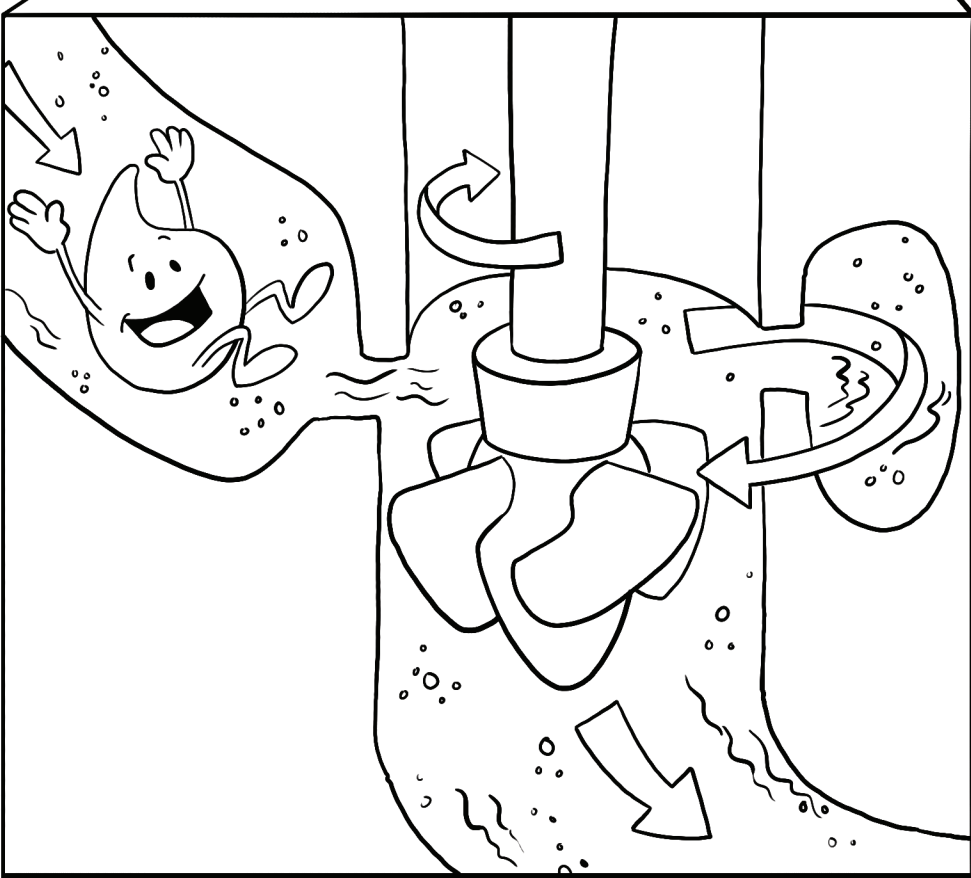


In the Northwest, most electricity comes from **WATER**. It starts off high in the mountains as snow that melts and flows into **RIVERS**. The electricity made from water in the rivers is called **HYDROPOWER**.



HELLO!  
MY NAME IS  
SPLASH!

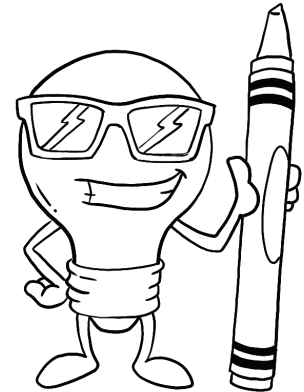
What activities are  
happening in this river?

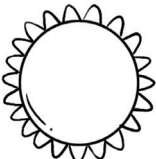



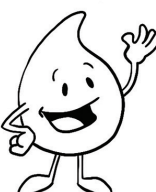
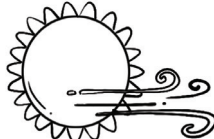



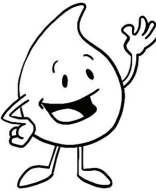


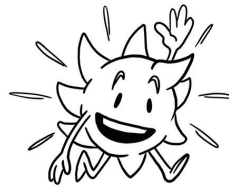



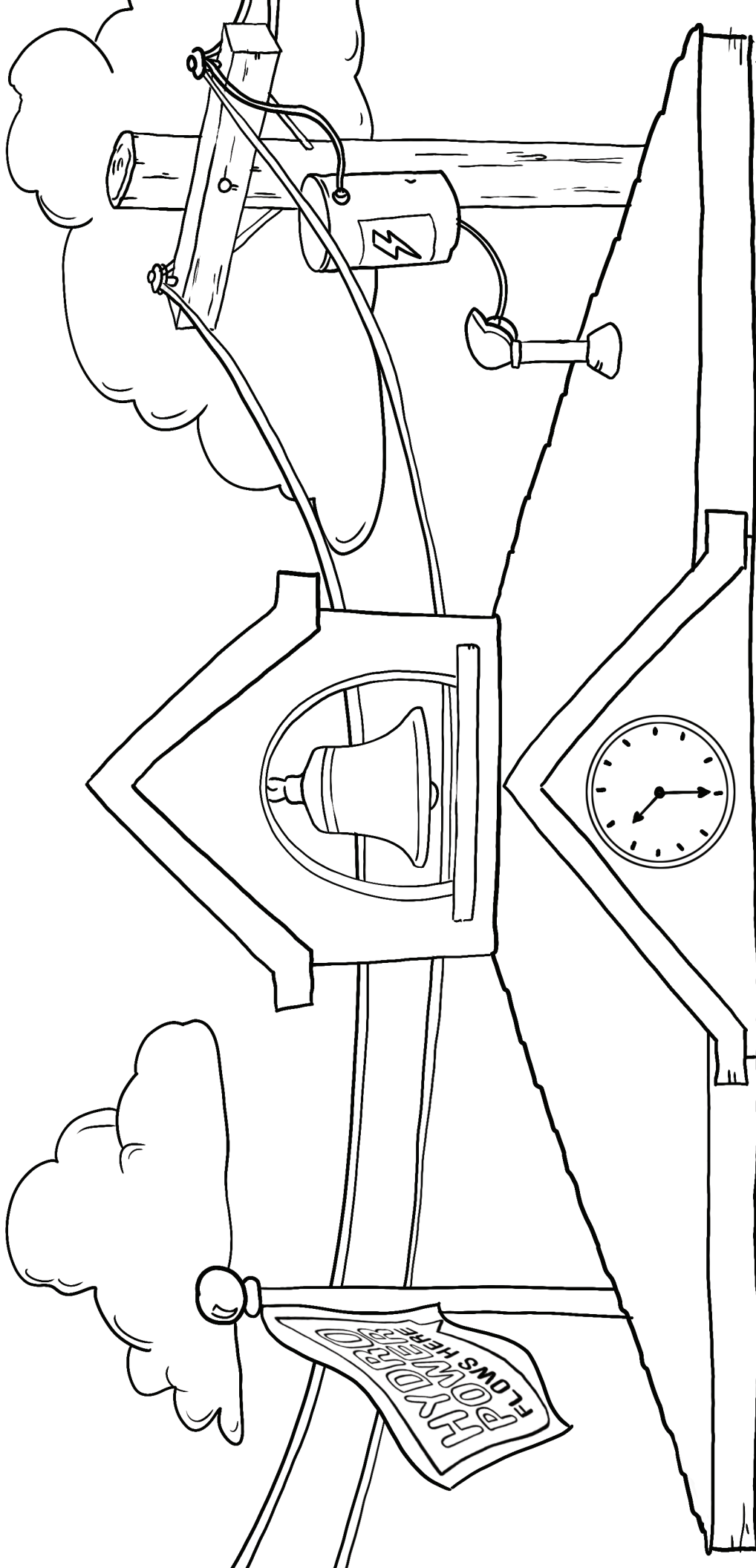
**As Splash moves along, he reaches a HYDROPOWER DAM. At the dam, Splash spins through a big wheel called a turbine. He spins so fast he changes into something new — electricity named Zippie.**

# Meet Splash and Zippie's friends, the Hydro Pals! Windy turns into wind energy and Ray turns into solar energy.

Electricity made from nature—like water, wind and sunshine—is called renewable energy. Splash, Windy and Ray are all types of renewable energy! As you can see, no matter what the weather or time of day Splash is constantly generating electricity. Match the weather on the left to the electricity being generated on the right.

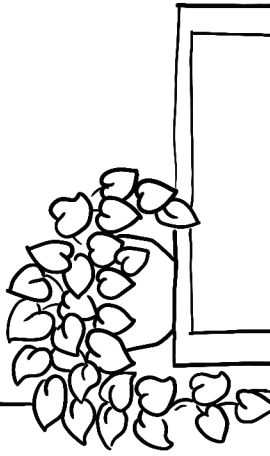


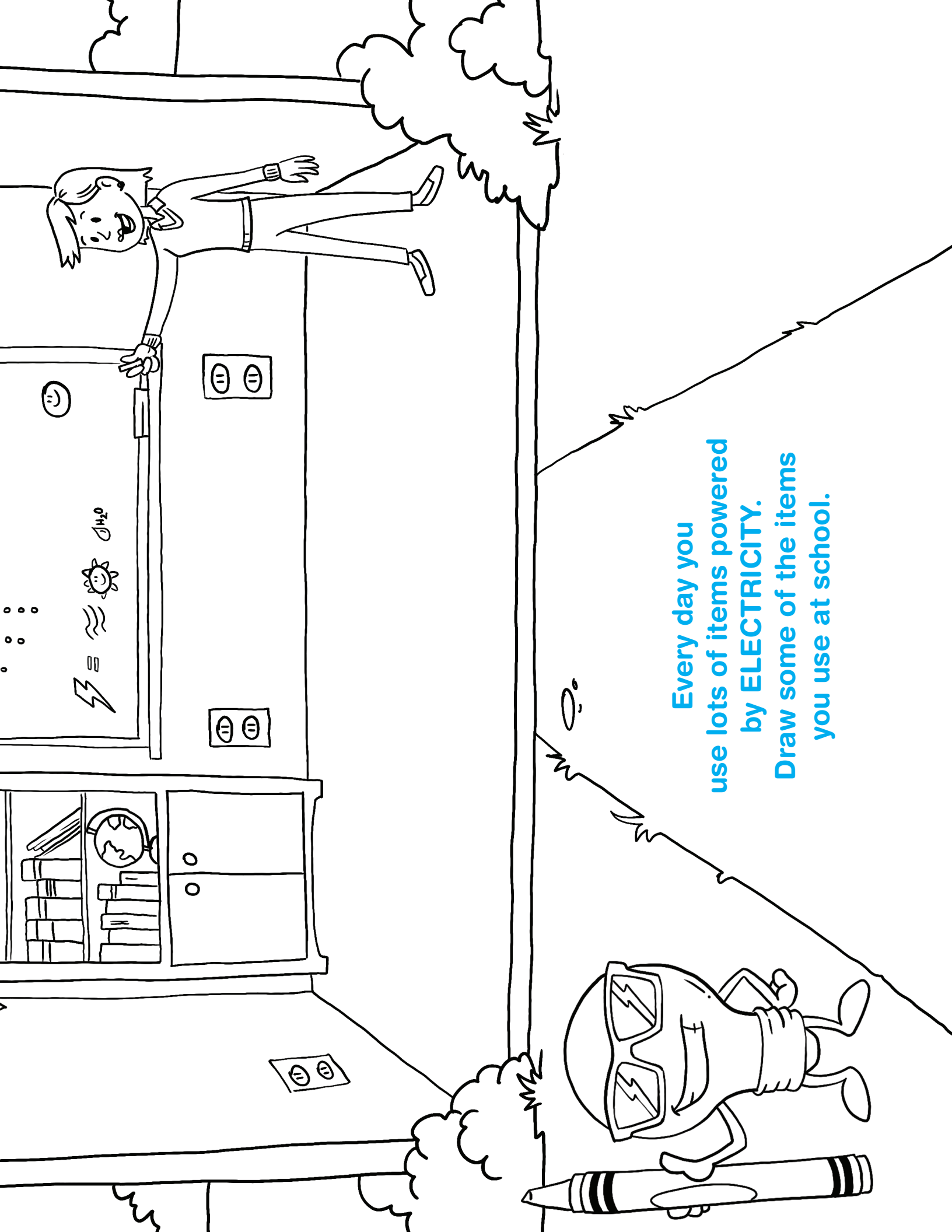
1		<b>A</b>	 Splash	 Windy
2		<b>B</b>	 Splash	
3		<b>C</b>	 Splash	 Ray
4		<b>D</b>	 Splash	 Windy
5				 Ray
6				



Aa Bb Cc Dd Ee Ff

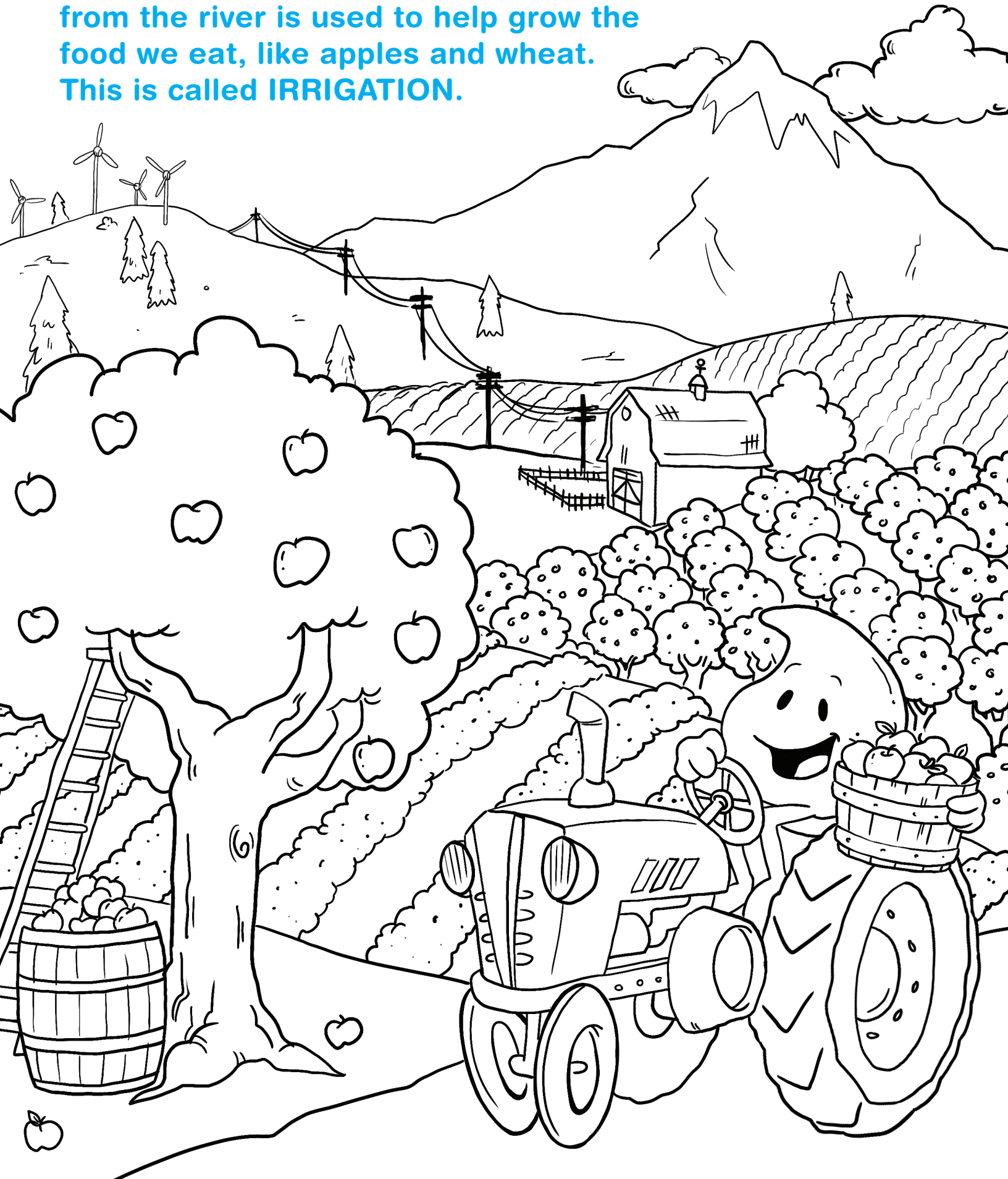
1	2	3	4	5
0	0	0	0	0
0	0	0	0	0
				$\frac{1}{2}$





Every day you  
use lots of items powered  
by **ELECTRICITY**.  
Draw some of the items  
you use at school.

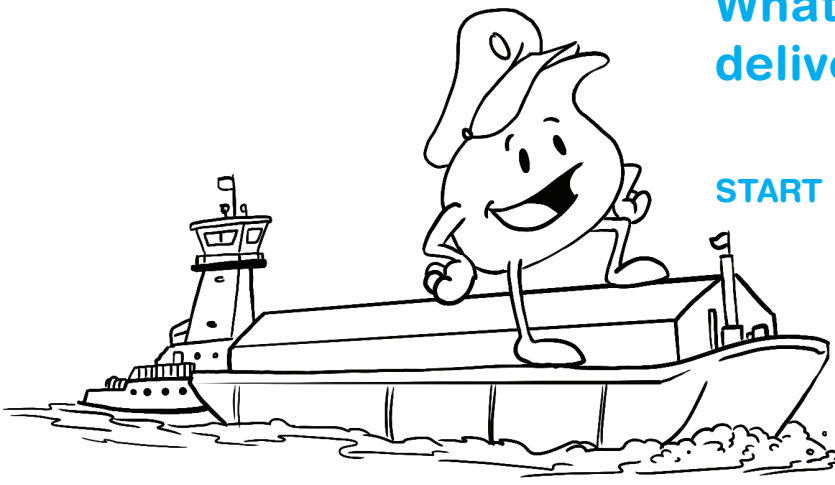
Sometimes Splash travels onto land and helps out on the farm! Water from the river is used to help grow the food we eat, like apples and wheat. This is called IRRIGATION.



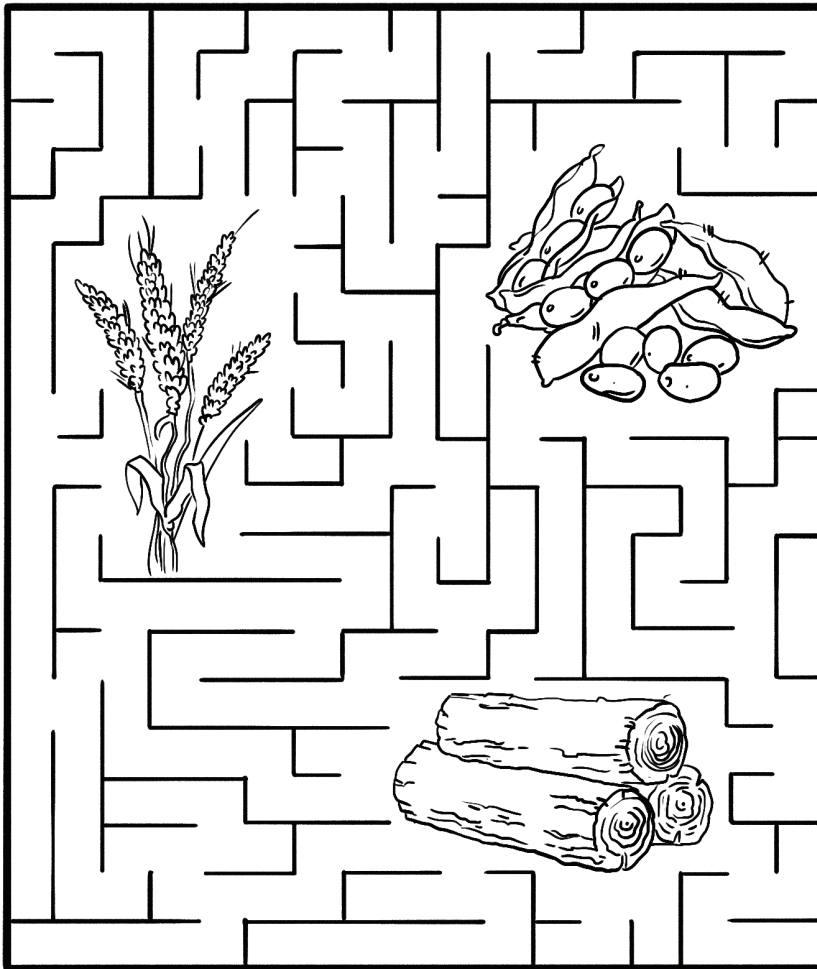
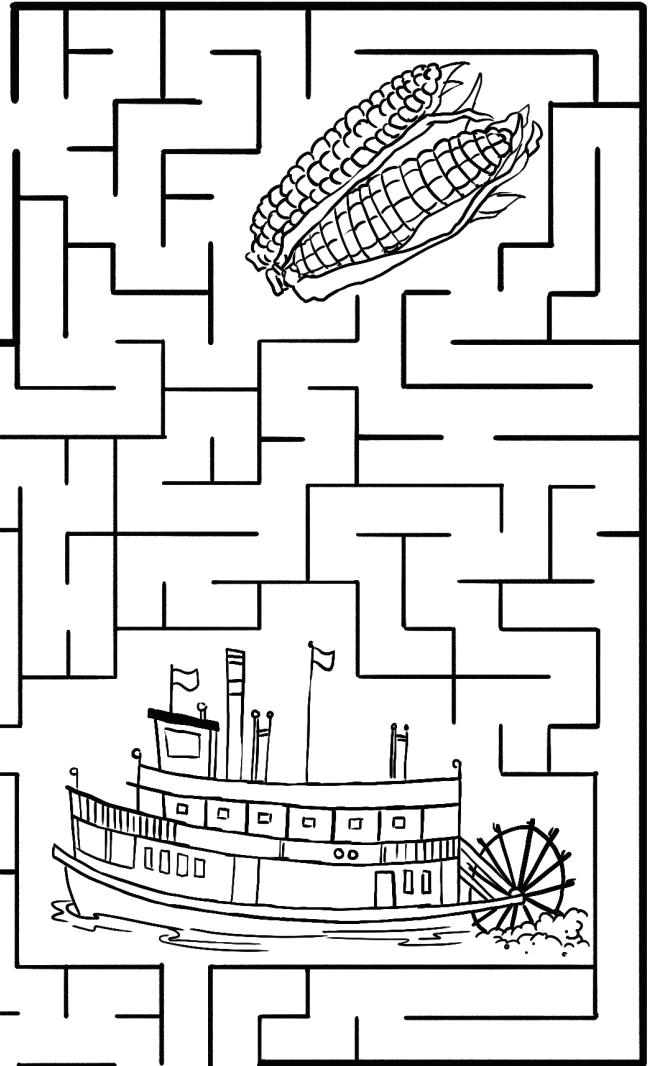


Rivers also help big boats called barges move food and goods from one city to another. Help this barge NAVIGATE through the river to the ocean.

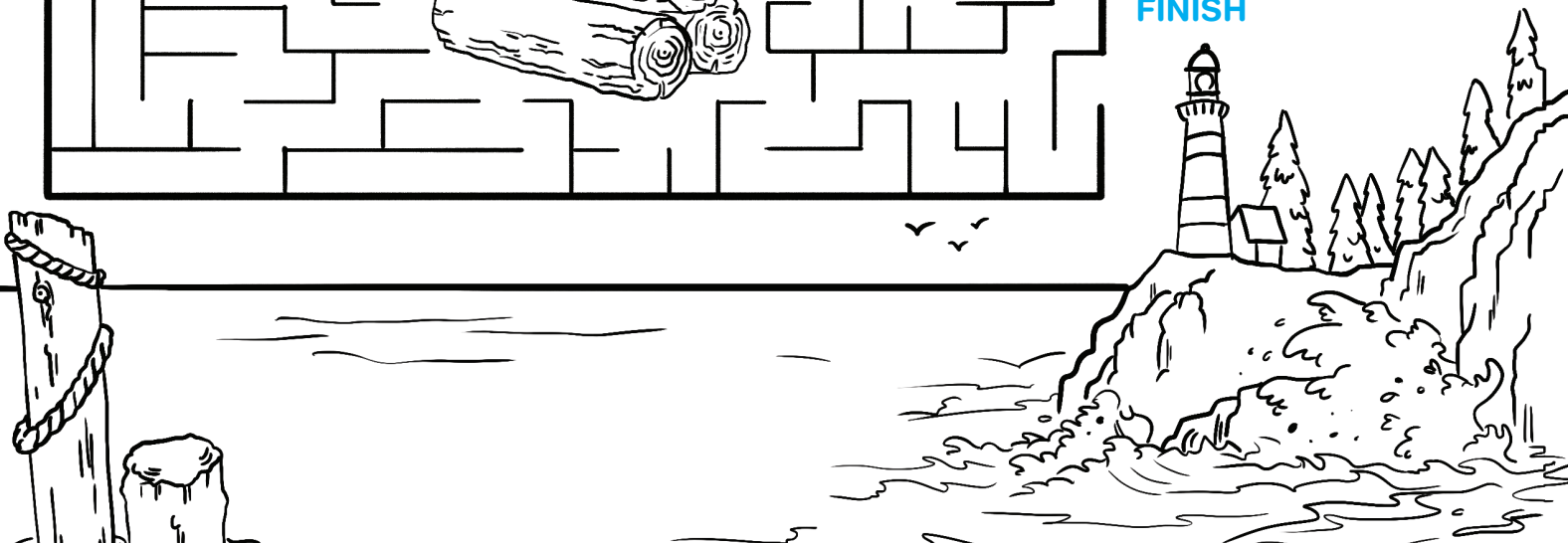
What might this barge be delivering to you?



START



FINISH



When Splash transforms into Zippie, it is called **HYDROPOWER**. Can you find the words about hydropower and its journey to your home?

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

Barge

Clean

Dam

Electricity

Energy

Farm

Hike

Hydropower

Irrigation

Lineworker

Navigation

Northwest

Ocean

Power

Ray

Recreation

Renewable

River

Snow

Solar

Splash

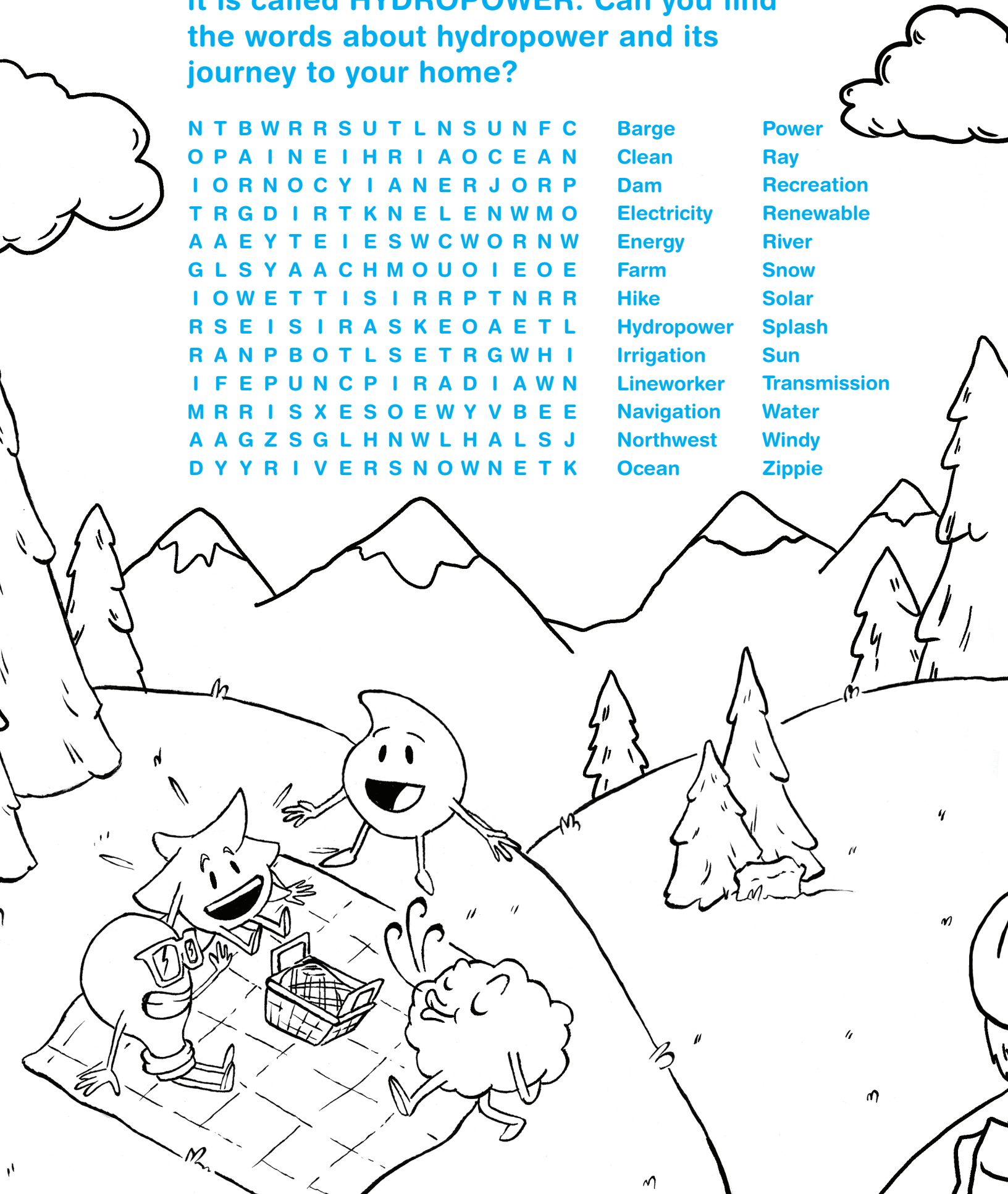
Sun

Transmission

Water

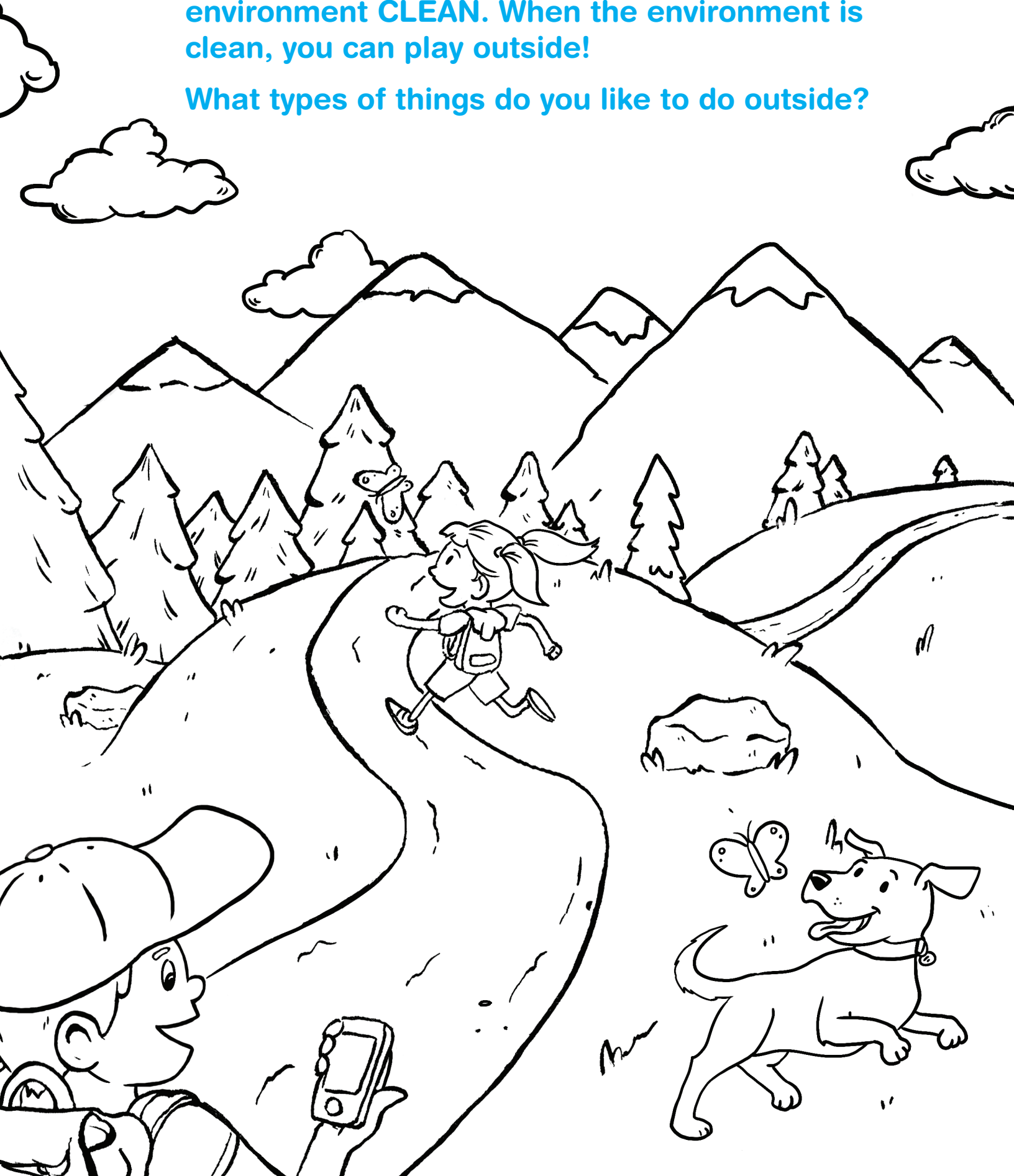
Windy

Zippie



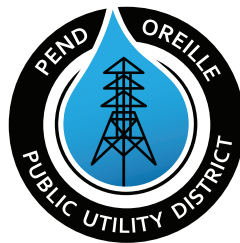
**RENEWABLE** hydropower helps keep the environment **CLEAN**. When the environment is clean, you can play outside!

What types of things do you like to do outside?





Bonneville  
POWER ADMINISTRATION



[www.bpa.gov/HydroFlowsHere](http://www.bpa.gov/HydroFlowsHere)

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