

INSIDE THE CLOUD

Data Centers #1 • A Channel 5 Kids Adventure

with Lena Ashgrove and the Infrastructure Guard



CREDITS

Inside the Cloud · Data Centers #1 · Kids edition (ages 6–9)

Story and production: GOTB Consulting, Chicago

Guide: Lena Ashgrove, Channel 5 · Heroes: Gridline, Undertow, Commons

AI-GENERATED ART, FICTIONAL CHARACTERS

All characters, the town of Prairie Bend and Channel 5 are fictional. Any resemblance to real people is a coincidence. No real logos are shown.

Facts in this book were checked against public sources before printing.

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MEET YOUR GUIDES



**LENA
ASHGROVE**

Channel 5 reporter. She asks the questions and explains the answers from the news desk.



GRIDLINE

Hero of the power lines. She can see where electricity flows.



UNDERTOW

Hero of water. He knows how water moves and why the lake is for everyone.



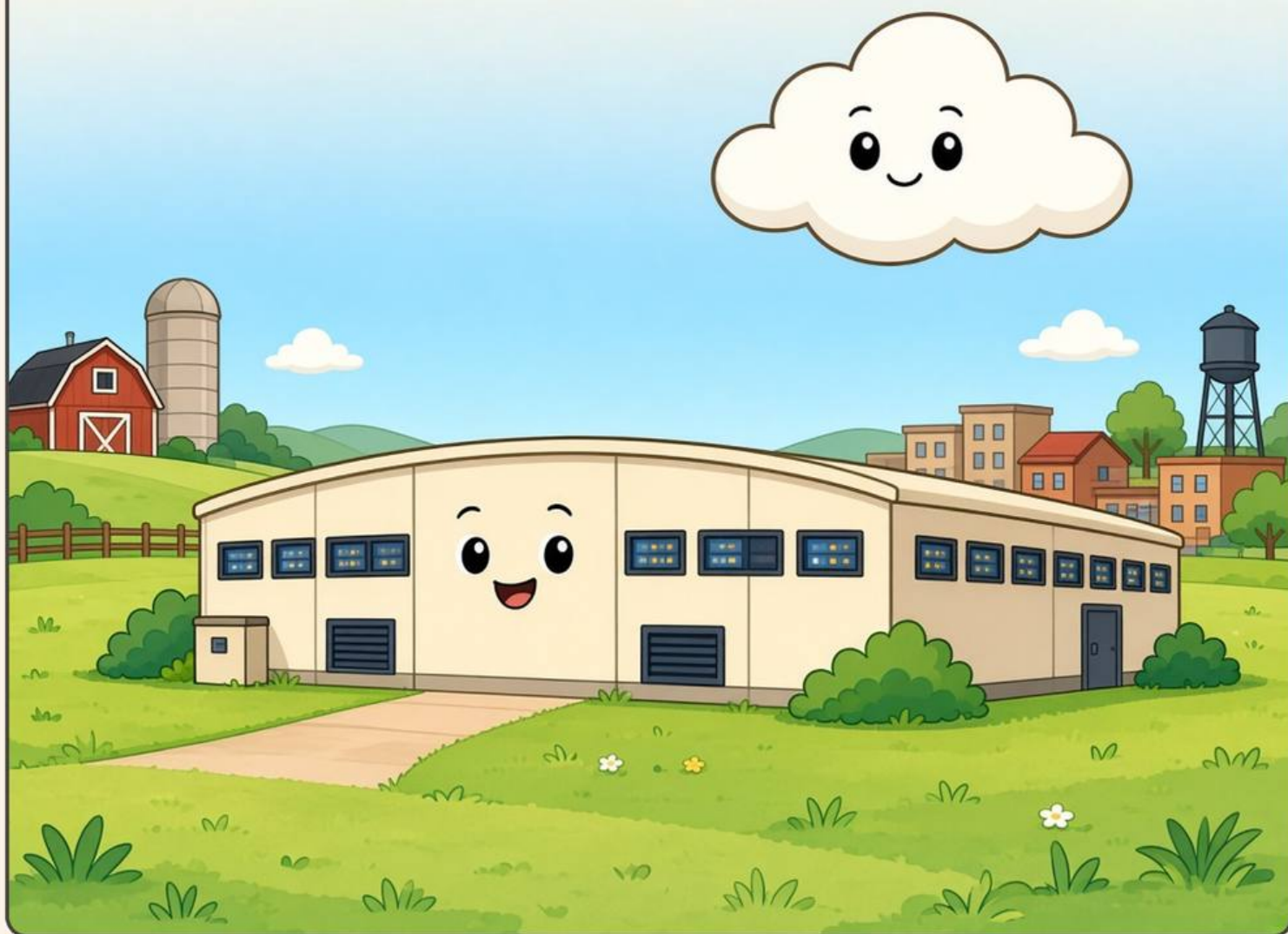
COMMONS

Hero of neighbors. His lantern glows brighter when people show up.



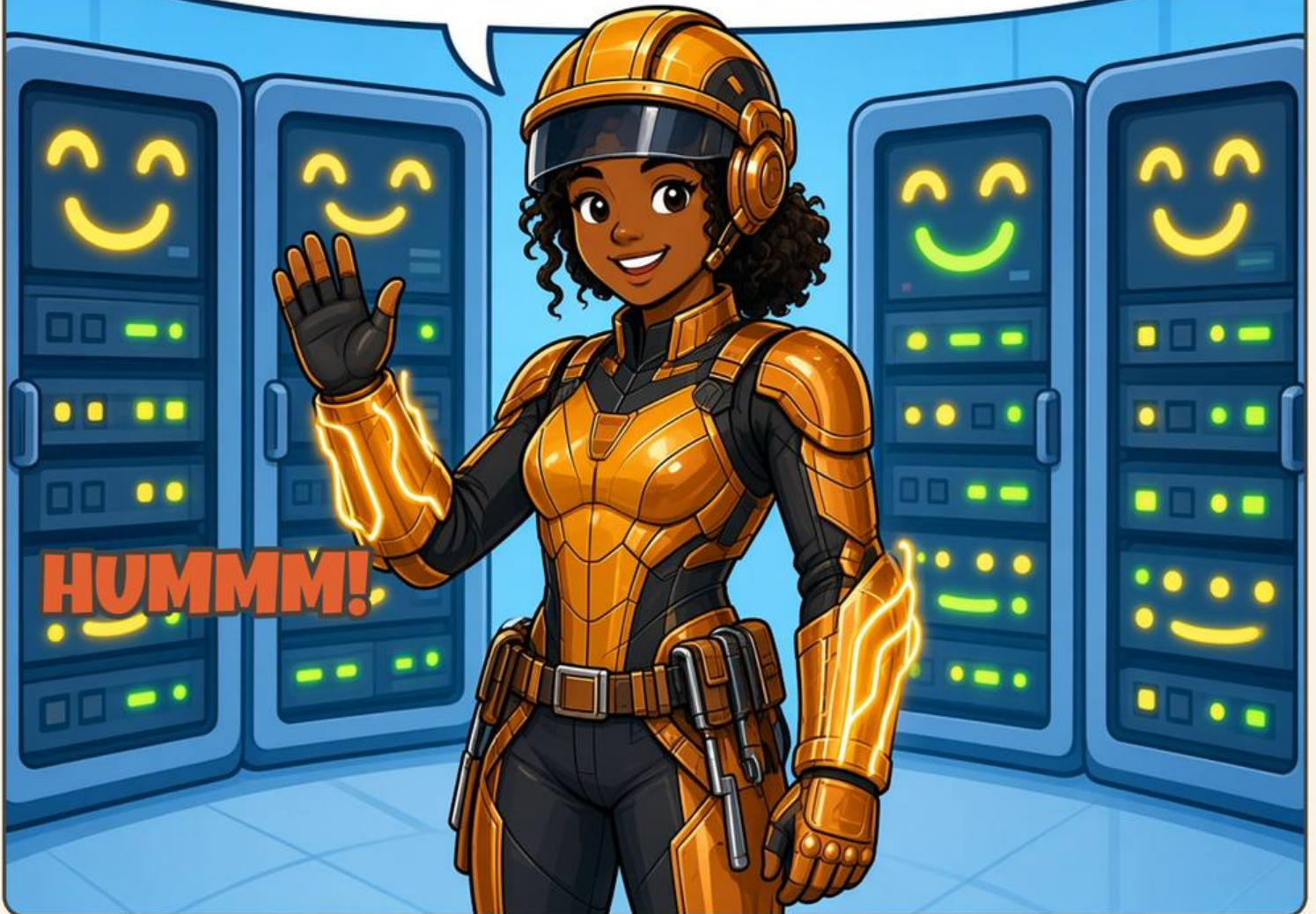
LENA

WHERE DO YOUR VIDEOS LIVE? NOT IN THE
SKY! TODAY WE VISIT... THE CLOUD'S REAL
HOME.



A data center is a big building full of computers working together.

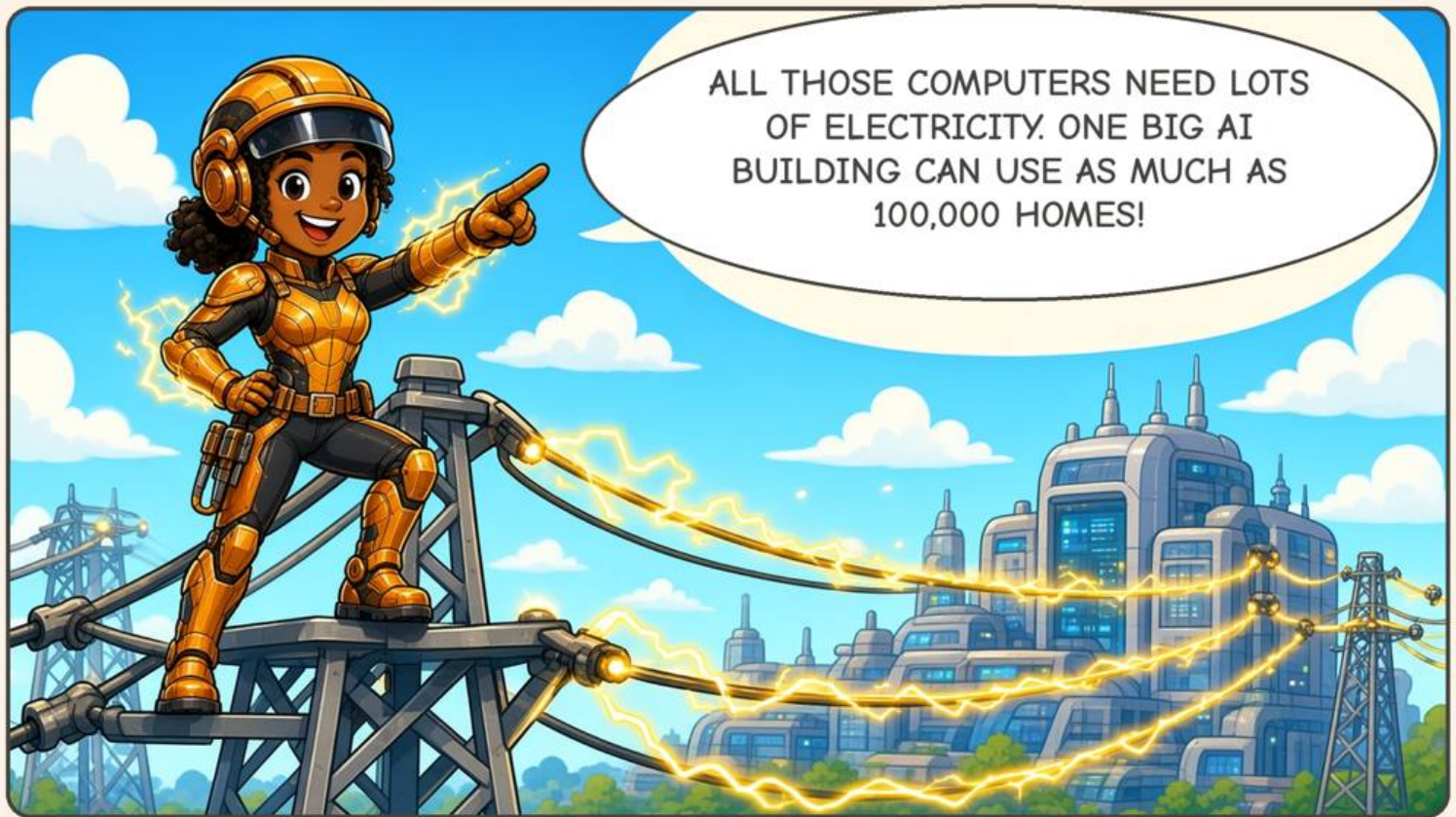
THESE ARE SERVERS. THEY SAVE, SORT AND SEND
YOUR STUFF. HI, SERVERS!



GRIDLINE

TRY THIS!

Count the smiling servers. How many can you find?



GRIDLINE

VERIFIED

TRY THIS!

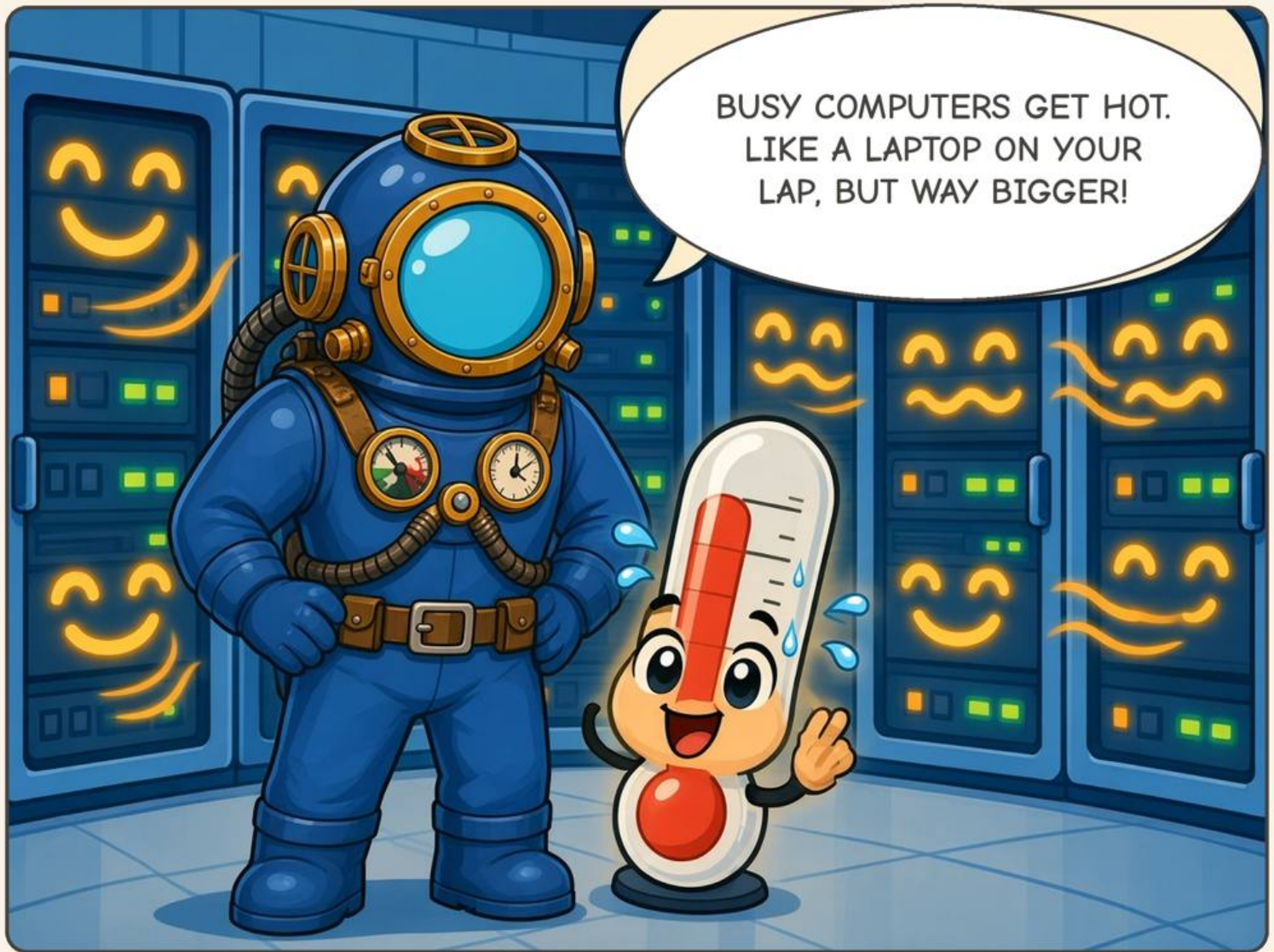
Follow the gold sparks with your finger, from the tower to the building.



LENA

VERIFIED

IN 2023, DATA CENTERS USED ABOUT 4 OR 5 OF EVERY 100 UNITS OF AMERICA'S ELECTRICITY.



UNDERTOW

TRY THIS!

Feel the back of a tablet after a long video. Is it a little warm?



UNDERTOW

TRY THIS!

Trace the water's path around the loop with your finger.



UNDERTOW

TRY THIS!

Water or power? Talk about which side you would pick, and why.



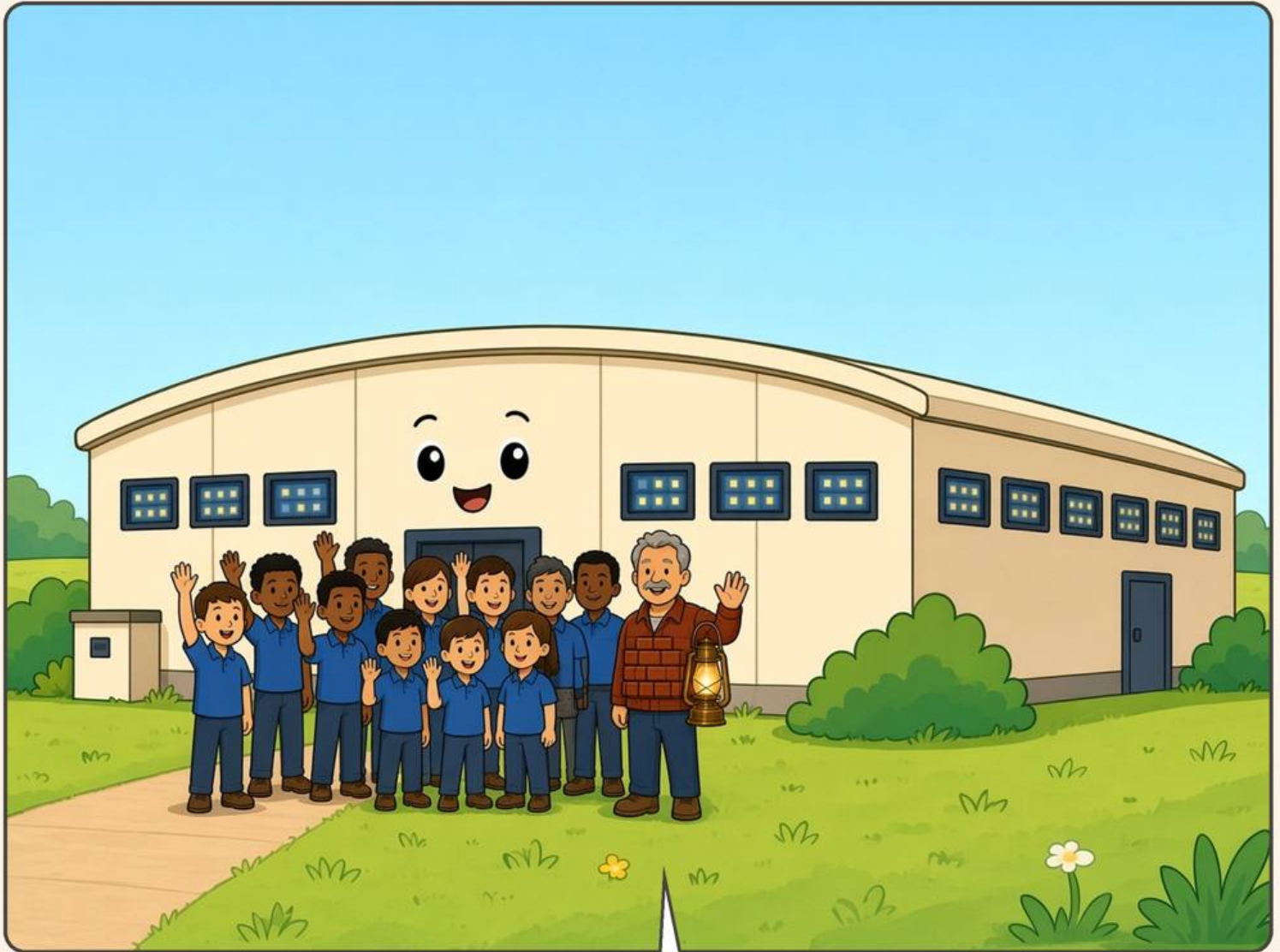
BUILDING
ONE
TAKES
ABOUT
1,500
WORKERS
AT THE
BUSIEST
TIME!

COMMONS

VERIFIED

TRY THIS!

Count the hard hats on this page!



COMMONS

WHEN IT'S DONE, A SMALLER TEAM, ABOUT 50
PEOPLE, KEEPS IT RUNNING.



LENA

REPORTED

NEIGHBORS ASK GOOD QUESTIONS.
GROWN-UPS IN CHICAGO AND ILLINOIS HELP
DECIDE THE RULES FOR DATA CENTERS.



LENA

POWER, WATER, ROADS AND PEOPLE: THAT'S
WHAT KEEPS THE CLOUD FLOATING. THANKS
FOR EXPLORING WITH CHANNEL 5!

Made with GOTB Consulting, who help plan the power, water and public works behind places like this.

WORDS TO KNOW

DATA CENTER

A big building full of computers working together.

SERVER

A computer that saves, sorts and sends your stuff.

THE CLOUD

Computers in data centers that you reach over the internet.

ELECTRICITY

The power that makes the computers run.

COOLING

Keeping busy, hot computers from getting too warm.

LOOP

Water that goes round and round so it can be used again.

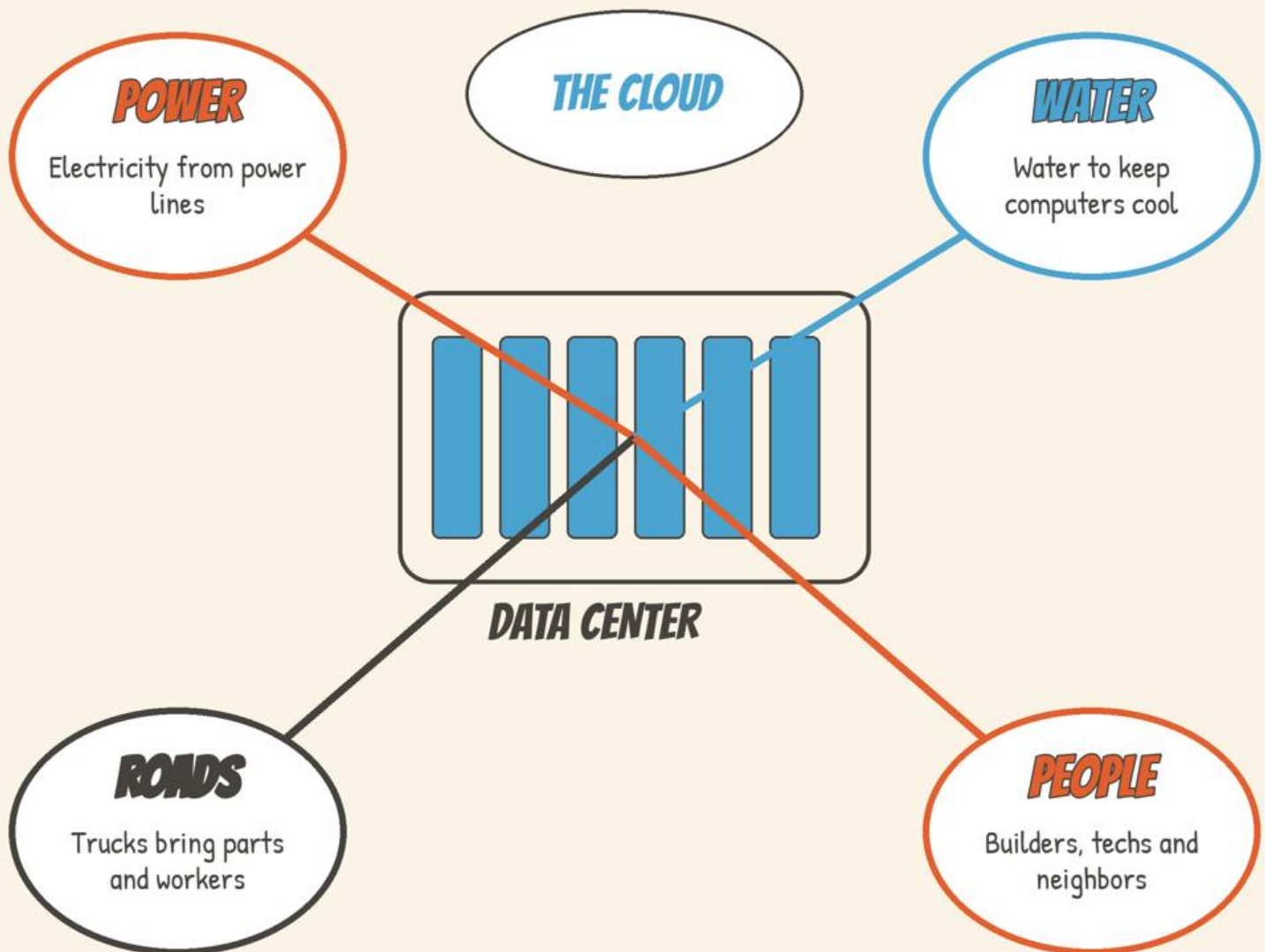
ENGINEER

A person who plans and builds how things work.

TOWN HALL

A meeting where neighbors ask questions and share ideas.

WHAT KEEPS THE CLOUD FLOATING?



Power, water, roads and people all work together. GOTB Consulting helps towns plan all four.

WORD SEARCH

Find these words. They go across, down, or slanted.

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

CLOUD
DATA

SERVER
ROADS

POWER
LENA

WATER
GRID

LOOP
COOL

QUICK QUIZ

Circle the best answer!

1. Where do your videos live?

In the sky

In a data center

2. What do servers do?

Save, sort and send your stuff

Bake cookies

3. Busy computers get...

HOT

Sleepy

4. Water that goes round and round is a...

Loop

Puddle

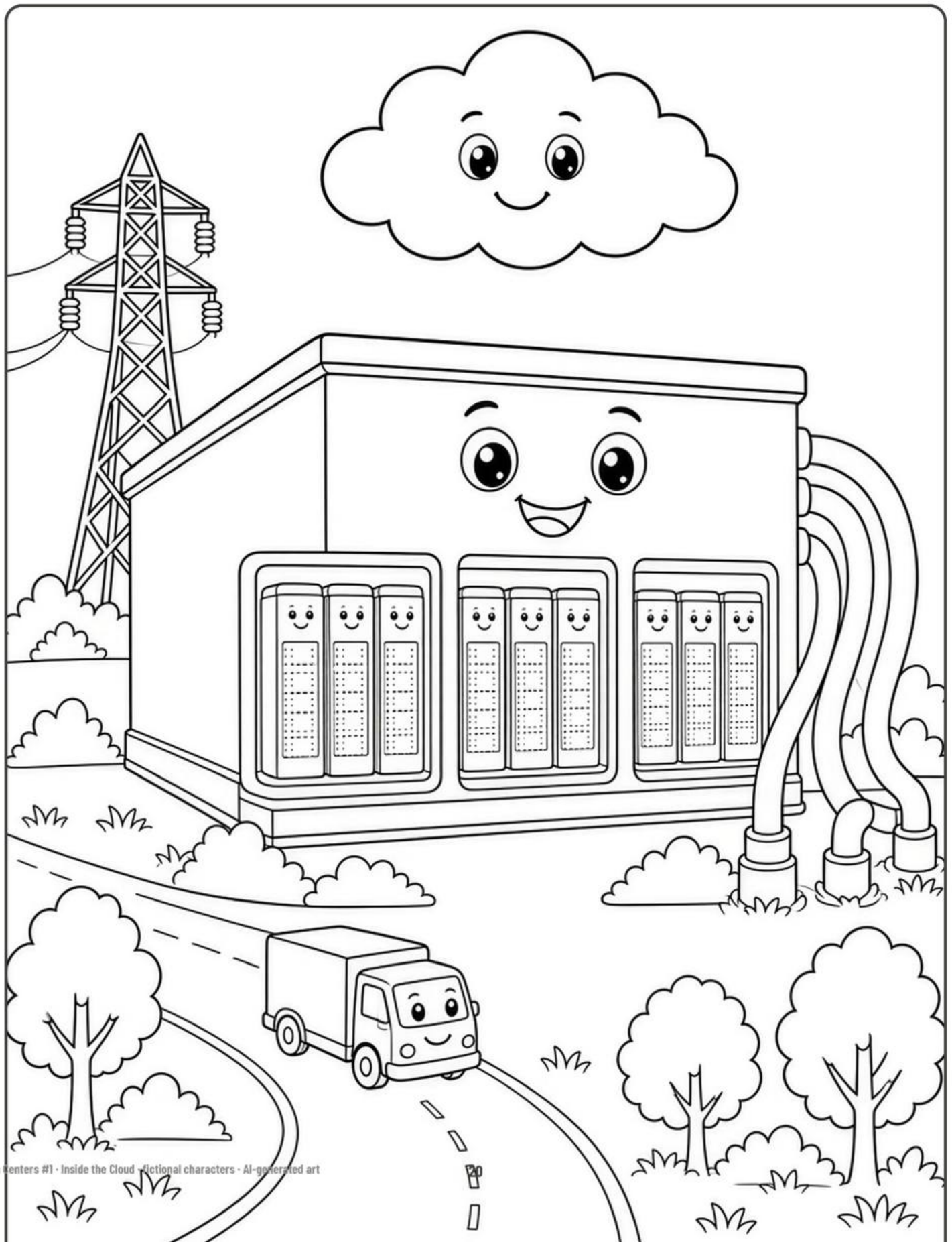
5. Who asks good questions at the town hall?

Neighbors

Nobody

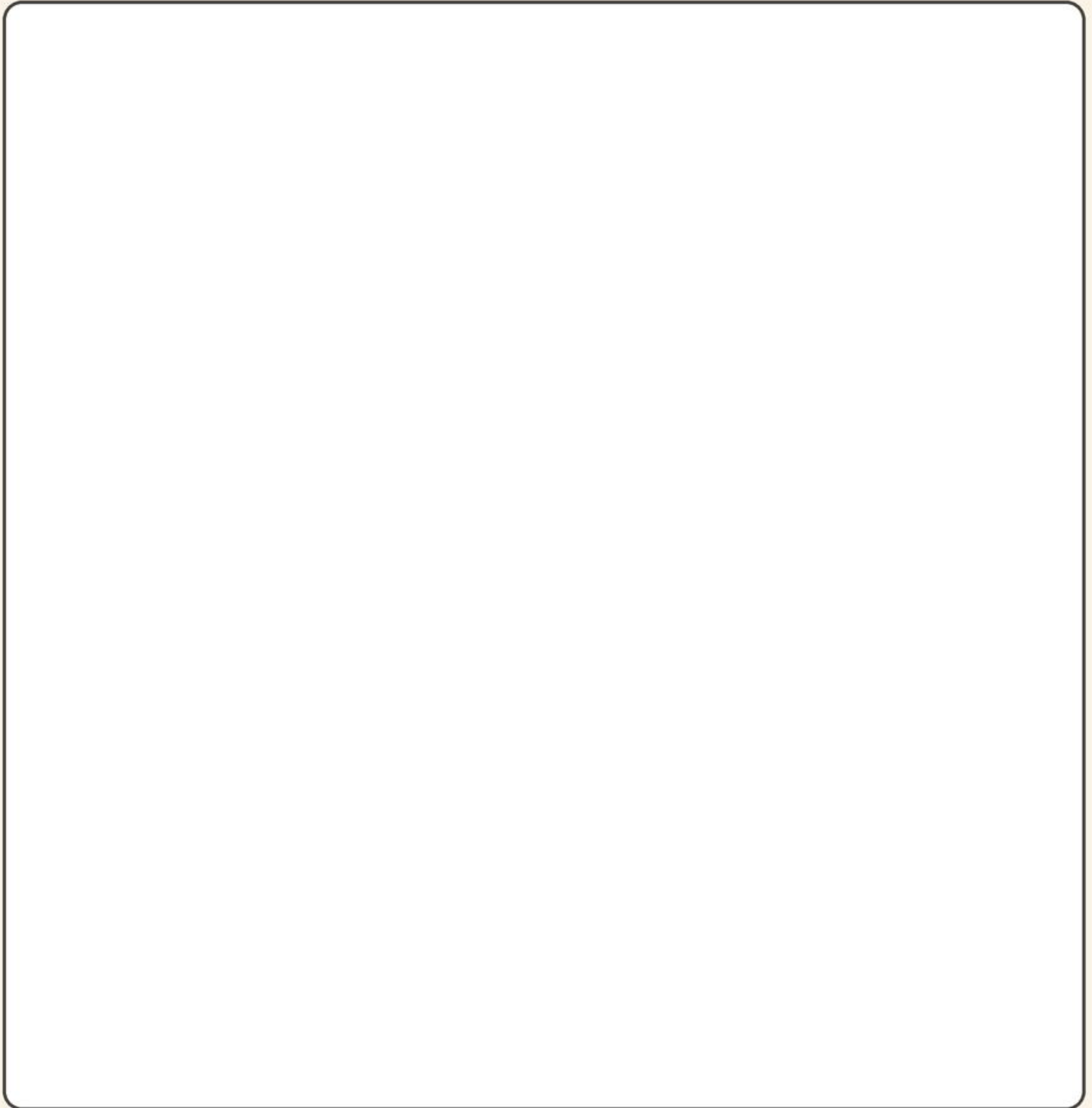
Answers: 1 data center · 2 save, sort and send · 3 hot · 4 loop · 5 neighbors

COLOR THE CLOUD'S HOME!



DRAW YOUR OWN DATA CENTER

Give it power, water, a road, and a friendly team!



My data center is called: _____

LET'S TALK ABOUT IT

Questions to share with a grown-up

WHAT APPS OR VIDEOS DO YOU USE THAT LIVE
IN THE CLOUD?

HOW DO YOU THINK PEOPLE KEEP BIG
COMPUTERS COOL?

IF A DATA CENTER CAME TO YOUR TOWN, WHAT
QUESTION WOULD YOU ASK?

WHO ARE THE PEOPLE WHO BUILD AND FIX
THINGS IN YOUR NEIGHBORHOOD?

WHICH HERO WOULD YOU LIKE TO MEET:
GRIDLINE, UNDERTOW OR COMMONS?

ABOUT GOTB CONSULTING

GOTB Consulting is a Chicago team that helps plan the big systems towns depend on.

We work on four things you saw in this book:

DATA CENTERS

Where the cloud lives

POWER

Electricity for homes and buildings

WATER

Clean water and smart cooling

PUBLIC WORKS

Roads, pipes and places for people

THE END!



THANKS FOR EXPLORING WITH CHANNEL 5!

Next time: where does the power come from?

GOTB CONSULTING • CHICAGO

Data centers • Power • Water • Public works

AI-generated art, fictional characters