

1010
0101

CYBER SECURITY



1010
0101



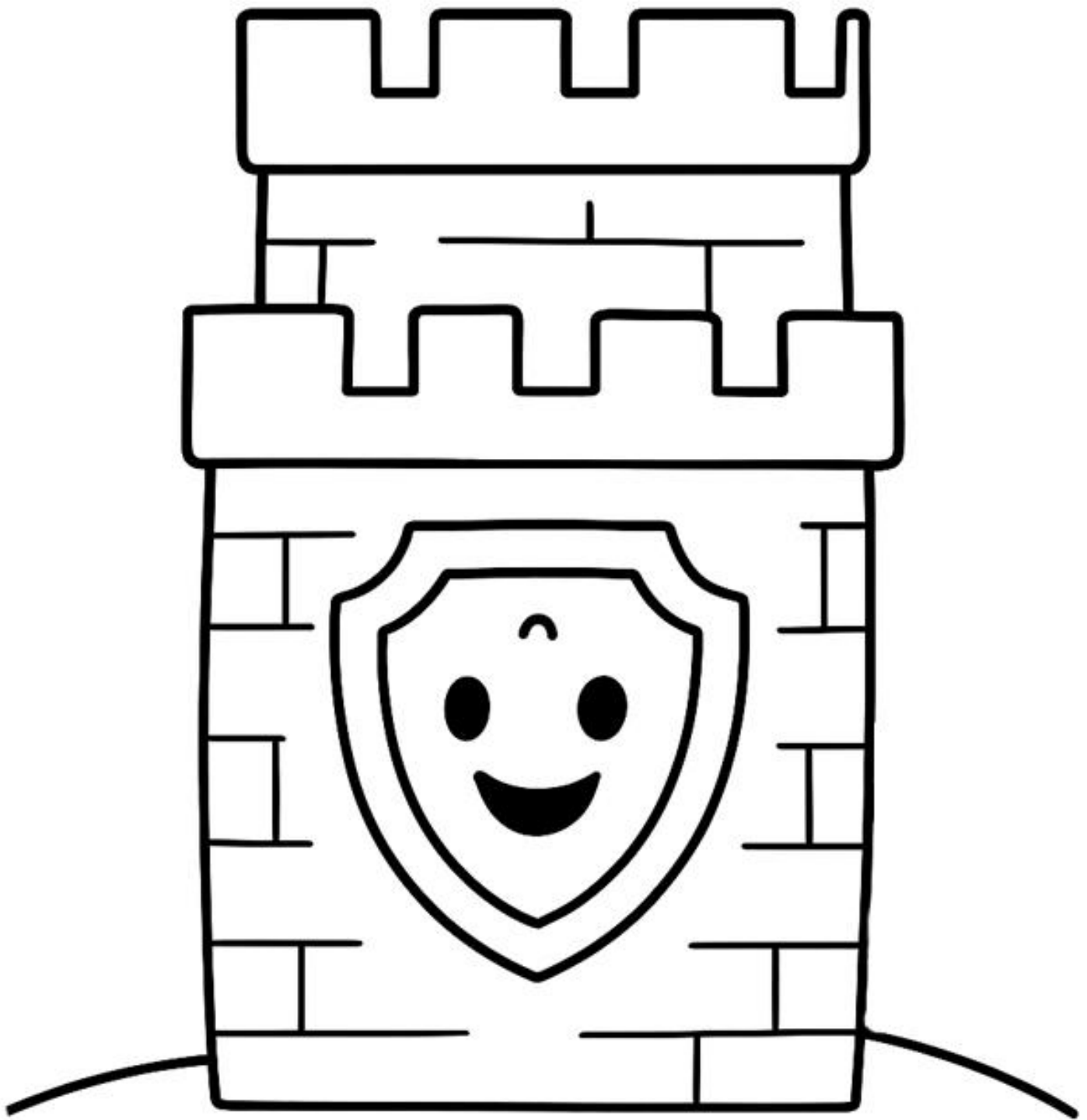
AWARENESS MONTH



**Pottawattamie
County**

Information Technology

Cybersecurity needs to have a strong defense!



Your information is important so keep it safe!

Not all hackers are bad, but some are and they may try to steal your information, so always be careful online!



HACKING



**RED
TEAM**

**BLUE
TEAM**

**CYBER RESILIENCE
WARRIORS!**



Pirating is stealing digital content, like online games and movies.
Don't be a pirate, support creators by buying or streaming legally!

CRACK THE CYBER CODE!

Computers can keep information safe by turning it into a secret code. This is called **encryption**.

In this activity, each letter has been moved forward **3** places in the alphabet.



HOW IT WORKS:

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

Each letter is moved forward 3 places.

A → D
B → E
C → F
...
X → A
Y → B
Z → C

DECODE THE SECRET MESSAGES BELOW.

Use the chart above to figure out what each message says.

1 NHHS BRXU SDVVZRUG VHFUHW

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



2 VWDB VDIH RQOLQH

--	--	--	--	--	--	--	--	--	--	--	--	--	--



3 WKLQN EHIRUH BRX FOLFN

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--





Be sure to keep your apps and devices updated to protect them against the latest security threats!

CRACK THE SECRET MESSAGE!

This is a **Pigpen Cipher**. It hides letters using shapes instead of regular letters. Each letter has a special symbol.



THE PIGPEN CIPHER KEY

Letters A–I

A	B	C
D	E	F
G	H	I

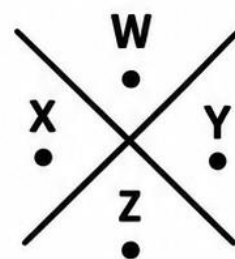
Letters J–R

J •	K •	L •
M •	N •	O •
P •	Q •	R •

Letters S–V

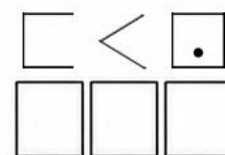
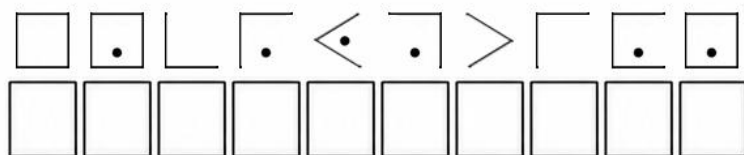


Letters W–Z



DECODE THE SECRET MESSAGES

Use the cipher key above to figure out what each message says. Write the letter for each symbol.

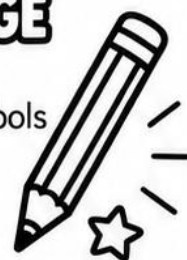


CREATE YOUR OWN SECRET MESSAGE

Write a short message (like a kind word or a safety tip), then encode it using the Pigpen cipher. Draw the correct symbols for each letter in the boxes below.

My message: _____

--	--	--	--	--	--	--	--	--	--	--	--



CYBERSECURITY WORDS

Pretend you are a cyber security analyst. It is your job to find all of the hidden words in the puzzle!

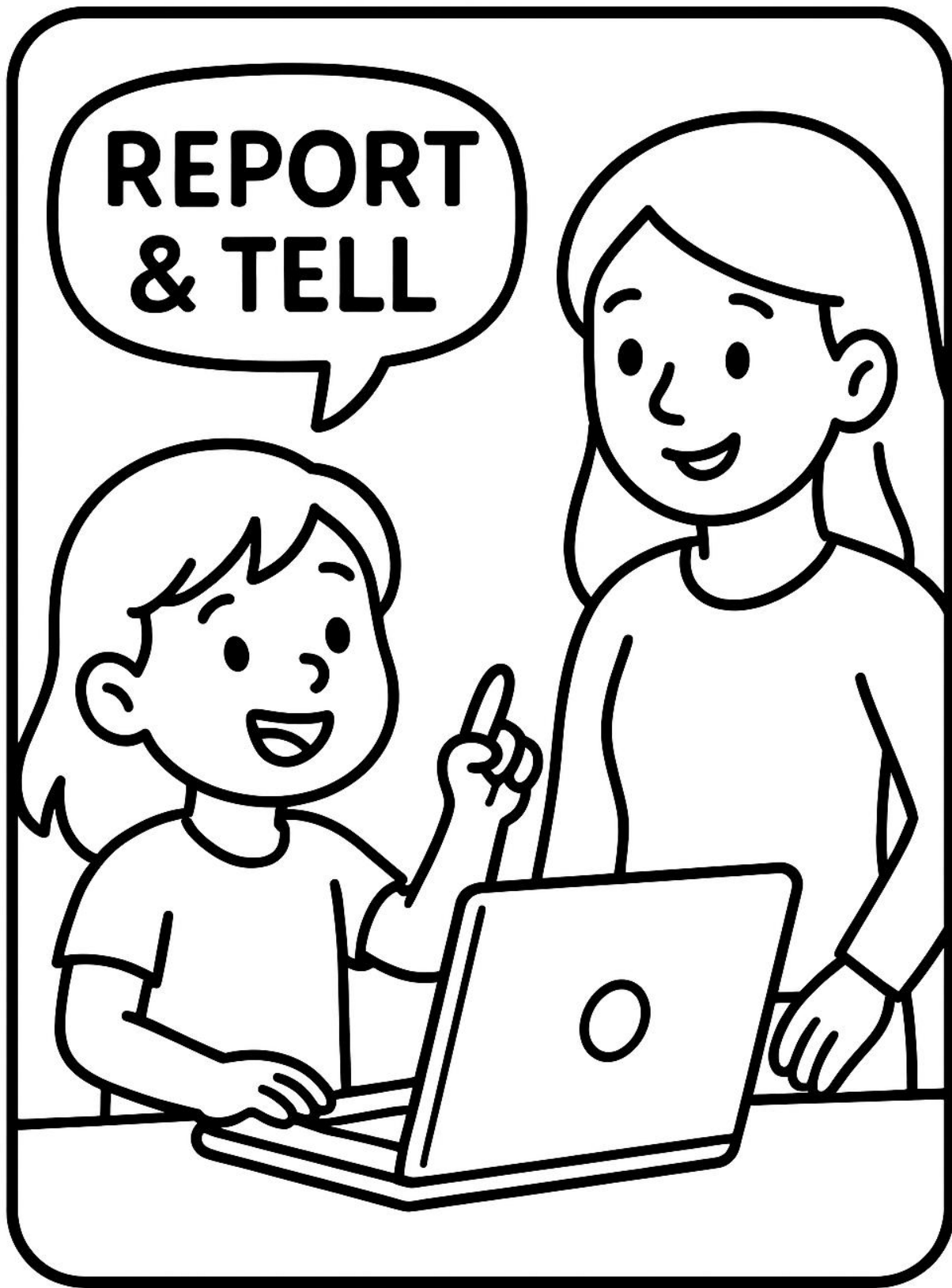
R	H	V	C	S	E	C	U	R	E	N	E	T	W	O	R	K	E	U	K	N	H	A
C	S	B	V	P	E	Y	M	C	V	Q	Z	E	L	K	M	A	C	S	T	S	Z	U
F	U	E	R	Q	R	H	D	J	P	M	X	N	S	P	Z	V	H	T	B	M	V	T
H	N	U	I	S	A	C	R	Z	C	H	U	C	B	U	D	B	C	R	Y	M	T	H
X	K	R	N	P	W	A	O	A	R	D	G	R	Y	K	Q	K	S	F	L	Q	R	E
F	W	W	M	Y	M	E	W	T	T	Y	N	Y	P	C	L	C	M	H	U	T	O	N
I	L	R	C	W	O	R	S	E	X	H	L	P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

ACCESS
BREACH
FIREWALL
PASSWORD
SCAM
TROJAN

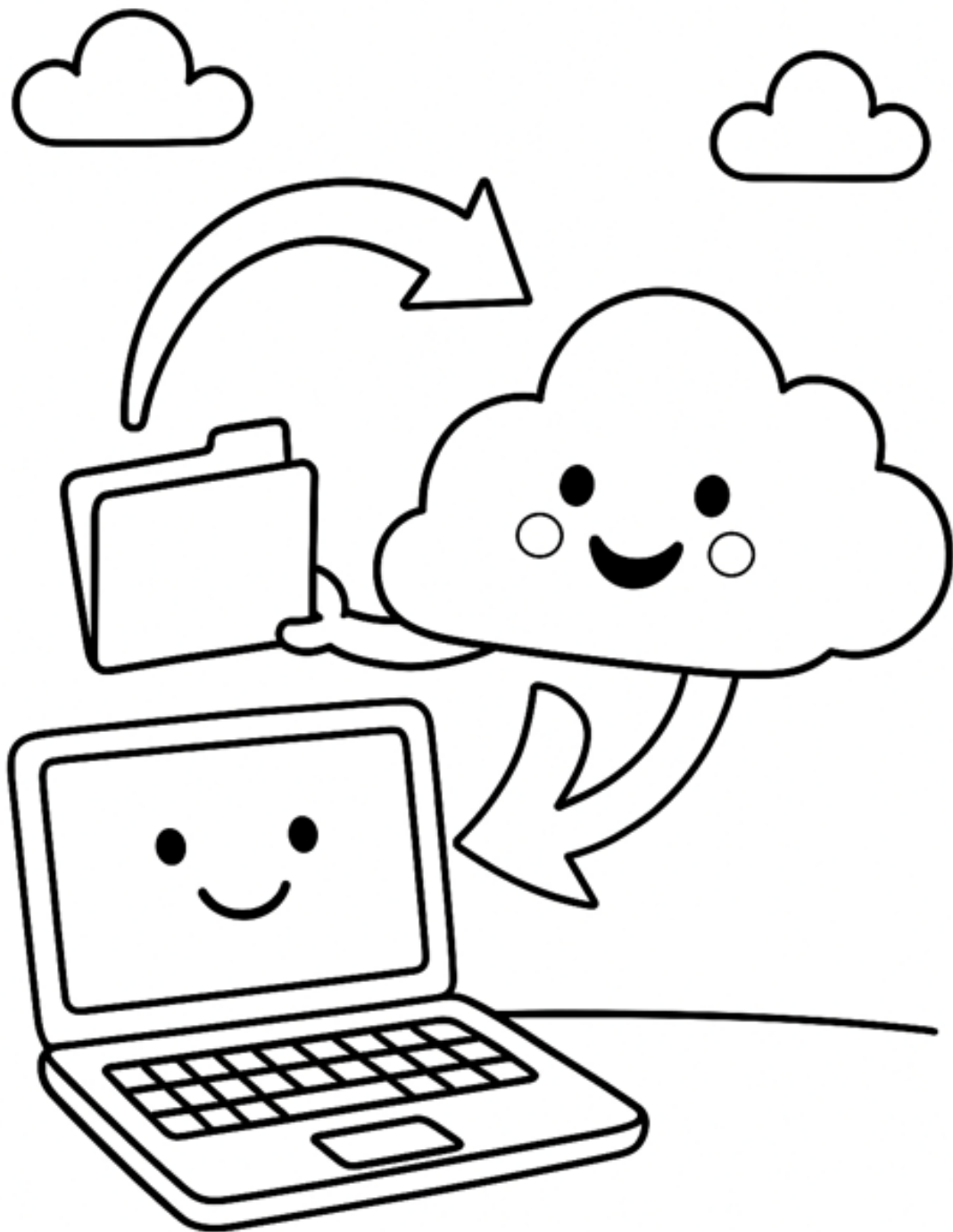
AUTHENTICATION
COOKIE
HACKER
PHISHING
SECURE NETWORK
UPDATE

BACKUP
DATA
MALWARE
PRIVACY
SPYWARE
VIRUS

BOTNET
ENCRYPTION
MONITOR
RANSOMWARE
THREAT



BACK IT UP

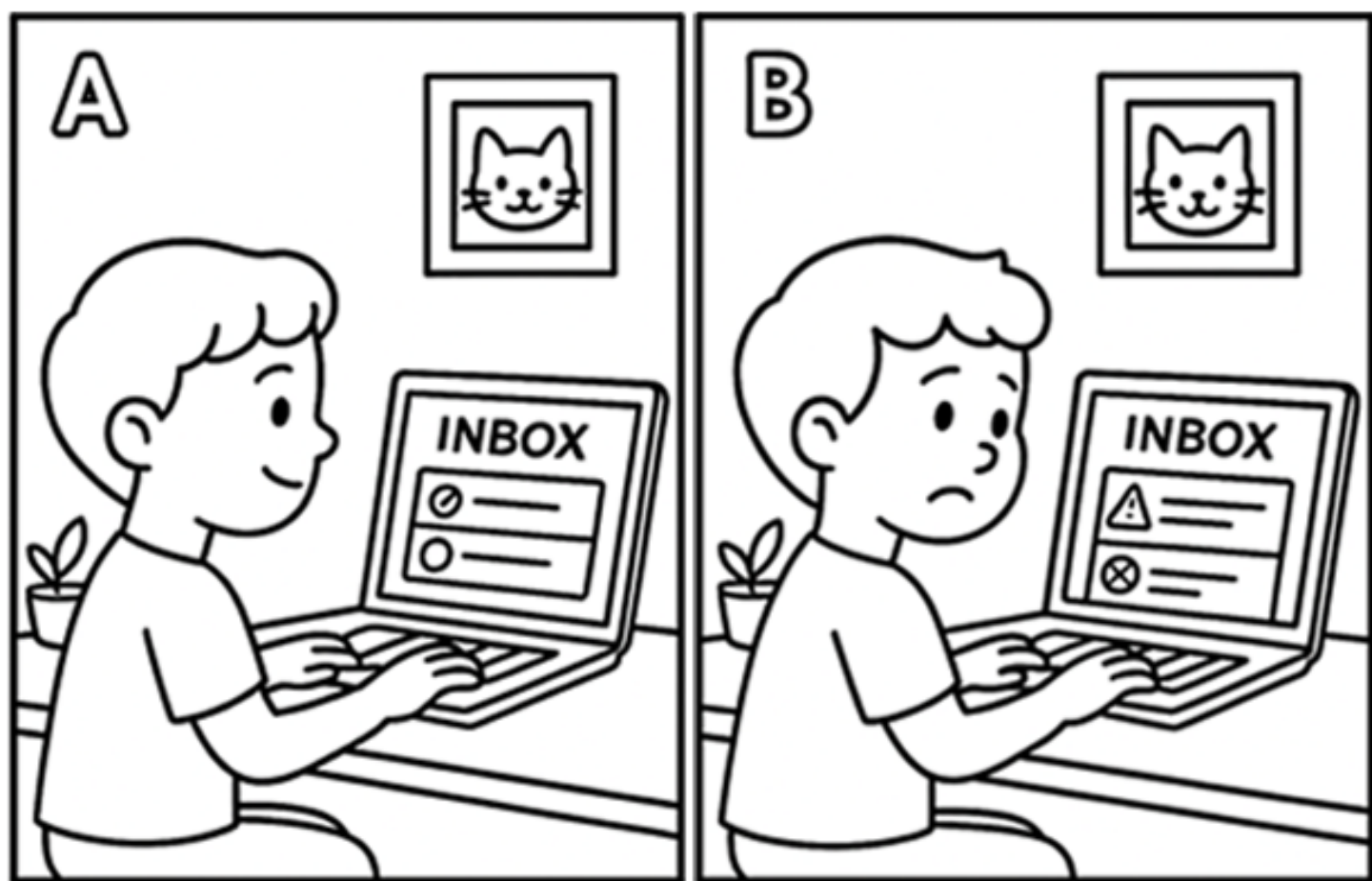


Sometimes bad things happen, be sure to always back up your data so that you don't lose it.

PHISHING

Be careful what you click, not every message or E-Mail is from a friend (even if it might look like it is!)

Look carefully at your messages, there are usually small differences that help spot a fake message.

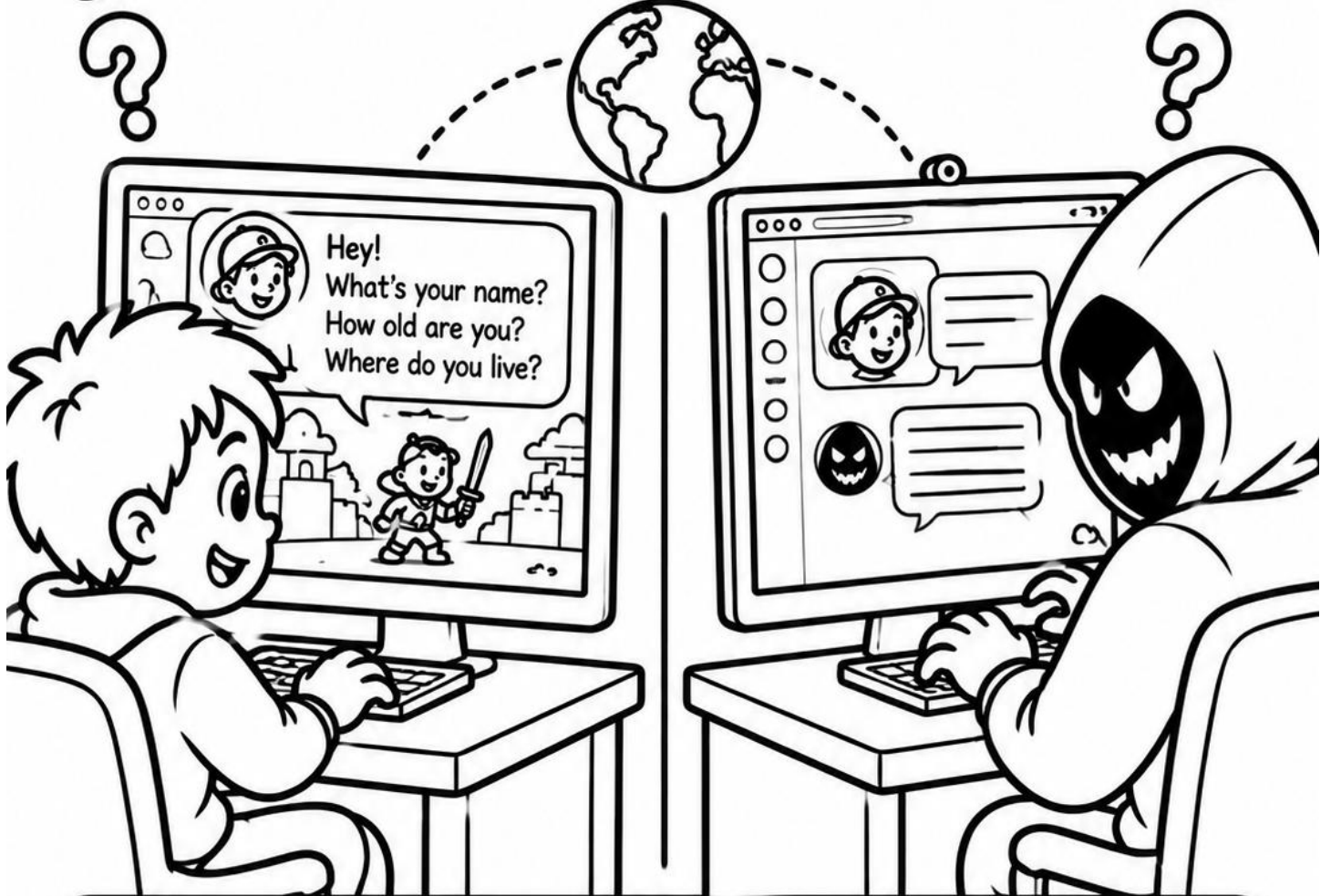


How many differences can you spot?



**STAY SAFE
ONLINE**

? WHO ARE YOU ? REALLY TALKING TO?



**Don't share your
information with anyone
you don't know.**

They may not be who they seem.

THE CYBER SMART PLEDGE

I pledge to help keep myself
and others safe online.



I pledge to **keep my passwords private**
and never share them with others.



I pledge to **stop and think before I click**
on links, messages, or downloads.



I pledge to **protect my personal information**
and only share it with people I know and trust.



I pledge to **be kind and respectful**
when I am online.



I pledge to **block and report**
people who make me feel unsafe or uncomfortable.



I pledge to **tell a trusted adult**
when something online seems strange, scary, or unsafe.



I pledge to **make smart choices**
when I use computers, tablets, phones, and games.

I pledge to be safe, secure, and

I AM CYBER SMART!

Name: _____

Date: _____