Name: _____ Date: _____ Score: _____

Best VPN for Mobile Gaming

Fast reconnects, kill switches, and split tunneling for gaming on a phone or tablet.

BEST VPN FOR MOBILE GAMING LEARNING OVERVIEW

LEARNER
STUDENT STATUS
Network Defender Track

MOBILE
PLATFORM FOCUS
Phone and tablet apps

4
PICKS COMPARED
NordVPN to CyberGhost

Welcome! This activity packet guides you through Mobile Gaming VPNs. You will explore Wi-Fi to cellular switching, WireGuard based protocols, kill switches, Android split tunneling, battery use, and region locked games.

WORKSHEET CHECKPOINTS

- [ ] **Part 1-4: Master VPN and network security configurations.**
- [ ] **Part 5-7: Solve crossword & word search puzzles.**
- [ ] **Part 8-9: Solve case studies & cipher challenge.**
- [ ] **Part 10: Review basic & advanced FAQ pages.**
- [ ] **Part 11: Explore 10 interesting real-world facts.**
- [ ] **Bonus: Think Fast challenge.**

Open the VPN.com Best VPN for Mobile Gaming Guide

URL: https://www.vpn.com/vpn/best-vpn-for-gaming/mobile/

Your Mobile Gaming VPN Learning Roadmap

- Compare the four ranked VPN picks on protocol, device limits, and refund windows.
- Explain how network switching, ping, and battery use affect gaming on a phone.
- Choose a mobile gaming VPN setup for Android, iPhone, or tablet using the VPN.com page.

MOBILE GAMING VPN GUIDE INSTRUCTIONS

Answer the multiple choice and true/false questions, complete the fill in the blank sentences using the word bank, match definitions, and solve the crossword and word search puzzles. Apply what you learn about network switching, kill switches, and split tunneling. Finish with the Bonus Activity: Think Fast.

MOBILE GAMING VPN BASICS (INTRODUCTION)

A phone hops between Wi-Fi and cellular, goes to sleep, and runs on a battery. A VPN that works on a desktop can still drop you out of a match, so the choice comes down to a fast reconnecting protocol, a kill switch, and split tunneling on Android.

READ EACH CHECKPOINT CAREFULLY AND SELECT OR WRITE THE CORRECT RESPONSE.

Checkpoint 1: Multiple Choice Challenge

1. **1. Which protocol does NordVPN use for mobile gaming?**
   - A. OpenVPN
   - B. Lightway
   - C. NordLynx
   - D. SSTP

2. **2. Which provider does not offer split tunneling on Android?**
   - A. NordVPN
   - B. CyberGhost
   - C. Surfshark
   - D. ExpressVPN

3. **3. Which provider offers the longest money back window of the four?**
   - A. CyberGhost
   - B. NordVPN
   - C. Surfshark
   - D. ExpressVPN

4. **4. Which provider has no simultaneous device limit?**
   - A. CyberGhost
   - B. ExpressVPN
   - C. NordVPN
   - D. Surfshark

5. **5. What does the page advise to save battery on a phone?**
   - A. Leave the VPN on all day
   - B. Connect only while you play
   - C. Use OpenVPN by default
   - D. Keep every app on the tunnel

Checkpoint 2: True or False Challenge

6 Question 6

6. NordVPN offers true per app split tunneling on an iPhone.

○ True ○ False

7 Question 7

7. A kill switch blocks traffic while the tunnel rebuilds, so your real IP is not exposed to the lobby.

○ True ○ False

8 Question 8

8. A VPN will always lower your ping in mobile games.

○ True ○ False

9 Question 9

9. On Android, Always-on VPN is found under Settings > Network > VPN.

○ True ○ False

10 Question 10

10. App stores mostly look at the country on your account, not your connection.

○ True ○ False

Checkpoint 3: Key Term Insertion

Read each sentence below and fill in the blank with the correct term from the Word Bank.

1. NordVPN's WireGuard based protocol built for fast reconnects is _____ .
2. ExpressVPN's own protocol, built to reconnect quickly, is _____ .
3. Sending only the game through the VPN on Android uses _____ .
4. The feature that blocks traffic while the tunnel rebuilds is a _____ .
5. Surfshark's name for its per app feature on Android is _____ .
6. A constant encrypted tunnel on a phone drains the _____ .

VOCABULARY WORD BANK

BATTERY BYPASSER KILL SWITCH LIGHTWAY NORDLYNX ROAMING SPLIT TUNNEL WIREGUARD

Write your answers here:

1.
2.
3.
4.
5.
6.

Checkpoint 4: Mobile Gaming Concept Match

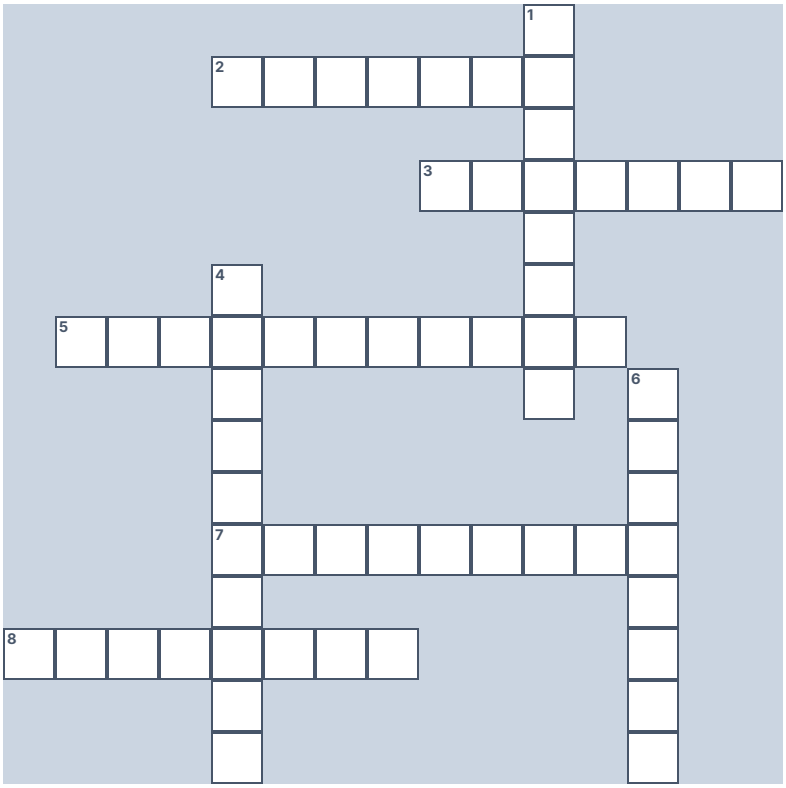
DEFINITION MATCHING

Match each vocabulary term on the left with its correct definition on the right by writing the corresponding letter (A-H) in the fillable input box.

☐	1. WIREGUARD	A	Surfshark's name for its Android split tunneling feature.
☐	2. NORDLYNX	B	Blocks traffic while the tunnel rebuilds so your IP is not exposed.
☐	3. LIGHTWAY	C	Protocol used by Surfshark and CyberGhost on phones.
☐	4. KILL SWITCH	D	Phone power drained by a constant encrypted tunnel.
☐	5. SPLIT TUNNEL	E	NordVPN's WireGuard based protocol built for fast reconnects.
☐	6. BYPASSER	F	Built in WireGuard feature that updates when one side's IP changes.
☐	7. ROAMING	G	ExpressVPN's own protocol, which it says was built to reconnect quickly.
☐	8. BATTERY	H	Sends only chosen apps through the VPN, available on Android.

Checkpoint 5: Crossword Puzzle

Solve the crossword puzzle by typing letters into the active white boxes. The numbers correspond to the clues below.



ACROSS

2. Phone power drained by a constant encrypted tunnel. (7)

3. Built in WireGuard feature that updates when one side's IP changes. (7)

5. Sends only chosen apps through the VPN, available on Android. (11)

7. Protocol used by Surfshark and CyberGhost on phones. (9)

8. ExpressVPN's own protocol, built to reconnect quickly. (8)

DOWN

1. Surfshark's name for its Android split tunneling feature. (8)

4. Blocks traffic while the tunnel rebuilds so your IP is not exposed. (10)

6. NordVPN's WireGuard based protocol built for fast reconnects. (8)

Checkpoint 5 Alternative: Accessible Crossword Clues

Screen-reader and keyboard users can type the crossword answers directly in the text fields below.

ACROSS

2 across: Phone power drained by a constant encrypted tunnel. (7 letters):

3 across: Built in WireGuard feature that updates when one side's IP changes. (7 letters):

5 across: Sends only chosen apps through the VPN, available on Android. (11 letters):

7 across: Protocol used by Surfshark and CyberGhost on phones. (9 letters):

8 across: ExpressVPN's own protocol, built to reconnect quickly. (8 letters):

DOWN

1 down: Surfshark's name for its Android split tunneling feature. (8 letters):

4 down: Blocks traffic while the tunnel rebuilds so your IP is not exposed. (10 letters):

6 down: NordVPN's WireGuard based protocol built for fast reconnects. (8 letters):

Checkpoint 6: Hidden Word Search

Find the 8 key vocabulary terms hidden in the grid below. Words can be horizontal, vertical, or diagonal.

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

VOCABULARY WORD LIST

WIREGUARD NORDLYNX LIGHTWAY ROAMING KILLSWITCH BATTERY SPLITTUNNEL BYPASSER

Checkpoint 6 Alternative: Accessible Vocabulary Matching

Match each of the 8 vocabulary terms from the Word Search to its correct definition by writing the letter (A-H) in the blank space.

VOCABULARY TERMS

- **A. WIREGUARD**
- **B. NORDLYNX**
- **C. LIGHTWAY**
- **D. KILLSWITCH**
- **E. SPLITTUNNEL**
- **F. BYPASSER**
- **G. ROAMING**
- **H. BATTERY**

DEFINITIONS & MATCH FIELDS

_____ 1. Built in WireGuard feature that updates when one side's IP changes.

_____ 2. Protocol used by Surfshark and CyberGhost on phones.

_____ 3. Phone power drained by a constant encrypted tunnel.

_____ 4. ExpressVPN's own protocol, built to reconnect quickly.

_____ 5. Surfshark's name for its Android split tunneling feature.

_____ 6. Blocks traffic while the tunnel rebuilds so your IP is not exposed.

_____ 7. Sends only chosen apps through the VPN, available on Android.

_____ 8. NordVPN's WireGuard based protocol built for fast reconnects.

Checkpoint 7: Scrambled Word Challenge

Unscramble the letters below to reveal key mobile gaming VPN terms. Write your answers in the input boxes provided.

1. UGEIWARDR
2. HLYIAWTG
3. SUTNLPELTNI
4. GOIMNRA
5. LYOXDNNR
6. CSLITKIWHL
7. BRSSEYAP
8. ATYBRET

Bonus Activity: Think Fast

3 ITEMS FROM EACH CATEGORY. FIRST PERSON TO COMPLETE THE LIST WINS.

1	Things that cause lag in online games			
2	Accessories for a game console			
3	Reasons gamers use a VPN			
4	Online games you know			
5	NAT types or network settings			
6	Things you do before an important online match			
7	Things that ruin a gaming night			
8	Ways to protect your gaming account			
9	Gaming platforms			
10	Things streamers say to their chat			
11	Reasons to use a cable instead of Wi-Fi			
12	Things that happen in a DDoS attack			
13	Cheats or scams gamers run into			
14	Consoles or gaming platforms			
15	Things you need for a gaming setup			

Checkpoint 8: Mobile Gaming VPN Case Studies

Apply the concepts you have learned to solve the real-world scenarios below.

CASE STUDY 1: THE GAME DROPS ON CELLULAR



Scenario: A student walks out of Wi-Fi range mid-match and the game puts them back at the menu.

Discussion Question: Which protocol and settings does the page recommend, and how should the student test the fix?

CASE STUDY 2: ONE GAME ON AN IPHONE



Scenario: An iPhone player wants the game on the VPN but a banking app kept off it.

Discussion Question: Is per app split tunneling possible on an iPhone, and what should the player do after a session?

Checkpoint 9: Decrypting the Cipher

A gamer tests ping and tunnel settings on a phone. Use the Letter-to-Number key below to decrypt the message by writing the matching letters in the blank spaces.

LETTER-TO-NUMBER ENCRYPTION KEY

A=1 B=2 C=3 D=4 E=5 F=6 G=7 H=8 I=9 J=10 K=11 L=12 M=13

N=14 O=15 P=16 Q=17 R=18 S=19 T=20 U=21 V=22 W=23 X=24 Y=25 Z=26

20	5	19	20		20	8	5		23	9	6	9		19	23	9	20	3	8

Decoded message:

TIP: EACH NUMBER REPRESENTS THE POSITION OF THAT LETTER IN THE ALPHABET (E.G. 1 = A, 2 = B, 26 = Z).

Checkpoint 10: Basic VPN FAQs (Part A)

Review the most common questions and answers regarding Virtual Private Networks (VPNs) and tunneling.

Q1: Does a VPN lower my ping on mobile games?

Usually not. It can lower ping only when your normal route is congested or throttled. A nearby server and a WireGuard based protocol keep the added delay small.

Q2: Will a VPN keep my game connected when my phone switches from Wi-Fi to 5G?

It depends on the protocol. WireGuard based protocols and Lightway rebuild the tunnel quickly, but a brief pause is still possible. Test the switch in a private match.

Q3: Can I use split tunneling to route only my game through the VPN?

On Android, yes with NordVPN, Surfshark and ExpressVPN. CyberGhost does not offer it on Android, and no provider offers true per app split tunneling on iPhone.

Q4: Does a VPN protect me from DDoS attacks in mobile games?

It protects against direct attacks on your IP, because the game and other players see the VPN server IP instead. It does not stop cheating or bans.

Q5: Can other players see my IP in a mobile game?

In games with peer to peer connections, they can. In games that route everything through dedicated servers, much less so. It varies by title.

Checkpoint 10: Basic VPN FAQs (Part B)

Review the most common questions and answers regarding Virtual Private Networks (VPNs) and tunneling.

Q6: How much battery does a gaming VPN use?

It costs some extra power because of encryption. WireGuard based protocols are leaner than OpenVPN. Connect only while you play and plug in for long sessions.

Q7: Can a VPN get me a mobile game that is not released in my country?

Not by itself. App stores follow your account country, not your IP address, and getting around a regional release may break the terms and risk your account.

Q8: How many phones and tablets can one VPN cover?

NordVPN covers 10 devices, ExpressVPN 10, CyberGhost 7, and Surfshark has no device limit.

Q9: Can I try a VPN for mobile gaming risk-free?

Yes. NordVPN, ExpressVPN and Surfshark offer a 30 day money back guarantee, and CyberGhost offers 45 days.

Q10: Should I leave the VPN on all the time?

Not for gaming alone. Connect when you start a session and disconnect afterward, and use the kill switch while connected.

Checkpoint 10: Advanced VPN FAQs (Part C)

Explore the finer points of mobile gaming with a VPN, including protocols, network switching, server choice, and app store rules.

Q1: Which protocols does the page recommend on a phone?

WireGuard, NordLynx or Lightway. Avoid OpenVPN unless a network blocks the others.

Q2: Why does OpenVPN cause trouble on a phone?

It takes noticeably longer to rebuild the tunnel after a network change, so the game may drop.

Q3: How should I test the Wi-Fi to cellular handoff?

In a private match, walk from Wi-Fi to cellular and check that the session holds before relying on it in ranked play.

Q4: Which server should I pick for the lowest ping?

The server closest to the game's host region, which may differ from the one closest to you. Test on both Wi-Fi and cellular.

Q5: Does a VPN change my Apple App Store region?

No. Your store region is tied to your Apple Account and payment method, so a VPN alone does not change which store you see.

Checkpoint 10: Advanced VPN FAQs (Part D)

Explore the finer points of mobile gaming with a VPN, including Google Play, VPN detection, provider differences, and the final verdict.

Q6: Does a VPN change my Google Play country?

A VPN alone usually does not. The store follows the country on your Google account, and Google requires at least 90 days between country changes.

Q7: What if the game says VPN detected or will not connect?

Some games block known VPN IP ranges. Try a different server. If it still fails, the game may not allow VPN use, and you should not work around that.

Q8: Which pick is the best value for phone and tablet gamers?

Surfshark, with no device limit, WireGuard, and Bypasser split tunneling on Android.

Q9: Which pick is best for beginners?

CyberGhost, which uses WireGuard by default on Android and has a 45 day refund window. It has no split tunneling on Android.

Q10: What does the final verdict recommend?

Choose a WireGuard based protocol or Lightway, switch on the kill switch, and test the Wi-Fi to cellular handoff yourself.

Part 11: 10 Real-World VPN Facts & Insights

Review real facts from the VPN.com page on Trust Scores, protocols, device limits, plans, and platform rules.

1. VPN INSIGHT

NordVPN has a 93 Trust Score and ranks #1 of 22 on Trust Score, drawing on published third party test results.

2. VPN INSIGHT

The 93 is built from two weighted parts: Trust & Value scored 27 out of 30 and VPN Performance scored 66 out of 70.

3. VPN INSIGHT

WireGuard has built in roaming: when one side's IP address changes, the other updates automatically.

4. VPN INSIGHT

NordVPN covers 10 devices, ExpressVPN 10, CyberGhost 7, and Surfshark has no device limit.

5. VPN INSIGHT

NordVPN, ExpressVPN and Surfshark offer a 30 day money back guarantee. CyberGhost offers 45 days.

6. VPN INSIGHT

NordVPN's best plan is $3.49 per month on a 2 year plan, billed up front.

7. VPN INSIGHT

Apple blocks the network access that per app split tunneling needs, so no provider routes individual apps on iPhone.

8. VPN INSIGHT

Google Play requires a wait of at least 90 days between country changes.

9. VPN INSIGHT

CISA describes volumetric attacks as aiming to consume available bandwidth.

10. VPN INSIGHT

The page says leaving the VPN on all day to game for an hour is the most common cause of a drained phone.

Technical References & Sources

The study guide and puzzles are compiled from the VPN.com page and the sources it cites.

SCHOLARLY & INDUSTRY REFERENCES

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Answer Key: Checkpoint 1 - Multiple Choice

1 **Mobile Protocol** NORDLYNX **Correct Answer: C**

TEACHING NOTE

NordVPN runs NordLynx, its WireGuard based protocol, built for fast reconnects and low overhead.

2 **No Android Split** CYBERGHOST **Correct Answer: B**

TEACHING NOTE

CyberGhost does not offer split tunneling on Android.

3 **Refund Window** 45 DAYS **Correct Answer: A**

TEACHING NOTE

CyberGhost offers the longest money back window of the four at 45 days.

4 **Device Limit** SURFSHARK **Correct Answer: D**

TEACHING NOTE

Surfshark has no device limit.

5 **Battery Saving** CONNECT WHEN PLAYING **Correct Answer: B**

TEACHING NOTE

The simplest saving is to connect only for play sessions and plug in for long ones.

Answer Key: Checkpoint 2 - True or False

6 **iPhone Split Tunneling** NOT AVAILABLE — **Correct Answer: False**

TEACHING NOTE

Apple blocks the network access that true per app split tunneling needs, so no provider delivers it on iPhone.

7 **Kill Switch** NO LEAK — **Correct Answer: True**

TEACHING NOTE

During the short gap while the tunnel rebuilds, a kill switch blocks traffic so your real IP is never exposed to the lobby.

8 **Ping Effect** USUALLY NOT — **Correct Answer: False**

TEACHING NOTE

A VPN adds a small delay, and if your ping is already good a VPN will not make it better.

9 **Always-on VPN** ANDROID SETTINGS — **Correct Answer: True**

TEACHING NOTE

On Android, enable Always-on VPN under Settings > Network > VPN so a restart does not leave you exposed.

10 **Question 10** — **Correct Answer: True**

TEACHING NOTE

App stores mostly look at the country on your account, not your connection.

Vocabulary Keys & Grading Rubric

Instructor Grading Rubric: Award 1 point for each correct matching (8 points total) and context term (6 points total).

CHECKPOINT 4: CONCEPT MATCH KEY

C 1. WIREGUARD	E 2. NORDLYNX	G 3. LIGHTWAY	B 4. KILL SWITCH
H 5. SPLIT TUNNEL	A 6. BYPASSER	F 7. ROAMING	D 8. BATTERY

CHECKPOINT 3: KEY TERM KEY

1 NORDLYNX	2 LIGHTWAY	3 SPLIT TUNNEL	4 KILL SWITCH
5 BYPASSER	6 BATTERY		

CHECKPOINT 6 ALTERNATIVE: VOCABULARY MATCH KEY

1 G – ROAMING	2 A – WIREGUARD	3 H – BATTERY	4 C – LIGHTWAY
5 F – BYPASSER	6 D – KILLSWITCH	7 E – SPLITTUNNEL	8 B – NORDLYNX

DISCUSSION NOTES FOR INSTRUCTORS

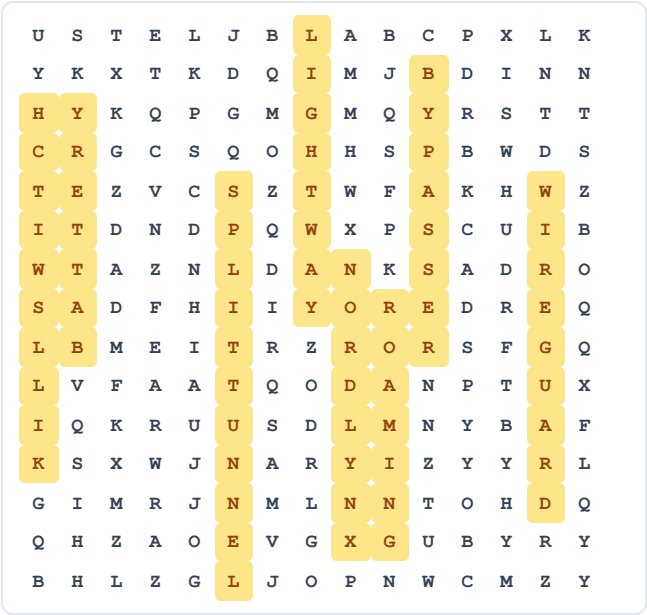
Key Terms:
Check that students can explain WIREGUARD, NORDLYNX and LIGHTWAY in their own words and give an example of each.

Case Studies:
Ask students to support their recommendations with facts from the worksheet rather than assumptions.

Source Evaluation:
Have students verify at least one claim against the worksheet references, and discuss why figures, prices and rules can change over time.

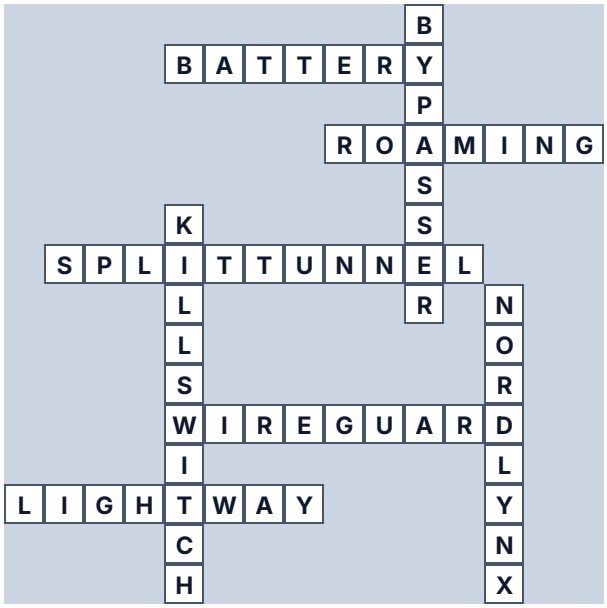
Puzzles Keys & Instructor Notes

WORD SEARCH SOLUTION



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

CROSSWORD SOLUTION



INSTRUCTOR GUIDE FOR CROSSWORD SOLUTIONS

ACROSS

2 across: BATTERY Phone power drained by a constant encrypted tunnel. (7 letters)

3 across: ROAMING Built in WireGuard feature that updates when one side's IP changes. (7 letters)

5 across: SPLITTUNNEL Sends only chosen apps through the VPN, available on Android. (11 letters)

7 across: WIREGUARD Protocol used by Surfshark and CyberGhost on phones. (9 letters)

8 across: LIGHTWAY ExpressVPN's own protocol, built to reconnect quickly. (8 letters)

DOWN

1 down: BYPASSER Surfshark's name for its Android split tunneling feature. (8 letters)

4 down: KILLSWITCH Blocks traffic while the tunnel rebuilds so your IP is not exposed. (10 letters)

6 down: NORDLYNX NordVPN's WireGuard based protocol built for fast reconnects. (8 letters)

Scrambled Words & Cipher Solution Key

Grading key for the vocabulary word unscramble activity and Secret Cipher Challenge.

WORD UNSCRAMBLE KEY

1. UGEIWARDR	WIREGUARD	5. LYOXDNNR	NORDLYNX
2. HLYIAWTG	LIGHTWAY	6. CSLITKIWHL	KILLSWITCH
3. SUTNLPELTNI	SPLITTUNNEL	7. BRSSEYAP	BYPASSER
4. GOIMNRA	ROAMING	8. ATYBRET	BATTERY

SECRET CIPHER CHALLENGE KEY

"TEST THE WIFI SWITCH"

Case Studies Solution Key

A Case Study 1: The Game Drops on Cellular

Instructor Solution

GRADING GUIDELINE

Student answers should cover the following points:

- Scenario Analysis: A student walks out of Wi-Fi range mid-match and the game puts them back at the menu because the tunnel is rebuilding on the new network.
- Recommended Strategy & Solution: Switch to WireGuard, NordLynx or Lightway, enable the kill switch and Always-on VPN, then test in a private match by walking from Wi-Fi to cellular.

B Case Study 2: One Game on an iPhone

Instructor Solution

GRADING GUIDELINE

Student answers should cover the following points:

- Scenario Analysis: An iPhone player wants the game on the VPN but a banking app kept off it.
- Recommended Strategy & Solution: Per app split tunneling is not possible on iPhone because Apple blocks the network access it needs, so the VPN covers the whole device while on. Disconnect when finished playing.