

Name: _____

Date: _____

Score: _____

Astrill VPN Review

Reviewing Stealth obfuscation, Seychelles jurisdiction, and Great Firewall bypass.

ASTRILL VPN REVIEW LEARNING OVERVIEW

LEARNER

STUDENT STATUS

Network Defender Track

SECURE

CONNECTION STATUS

Shielding data packets

100%

LEAK DEFENSE

DNS & IPv6 leak protection

Welcome! This activity packet guides you through the technical review of Astrill VPN. You will explore the Seychelles jurisdiction, Great Firewall bypass, proprietary Stealth and OpenWeb protocols, and latency overheads.

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.

Open the VPN.com Best VPNs Guide

URL: <https://www.vpn.com/vpn/astrillvpn/>

Your Astrill VPN Learning Roadmap

- Evaluate Stealth VPN protocols engineered to bypass deep packet inspection.
- Analyze Seychelles data haven legislation outside global intelligence sharing networks.
- Quantify the severe speed loss and latency overhead incurred by obfuscation.
- Review session logging policies that remain unverified by third-party audits.
- Configure low-overhead OpenWeb protocols for higher throughput browsing.

ASTRILL VPN REVIEW 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 your knowledge to Great Firewall bypass.

GREAT FIREWALL OBFUSCATION & SEYCHELLES HUB (INTRODUCTION)

Astrill VPN specializes in bypassing heavy network censorship using proprietary protocols like Stealth and OpenWeb. However, it trades off performance, suffering from severe speed loss and latency overhead.

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

Checkpoint 1: Multiple Choice Challenge

1 What proprietary protocol does Astrill VPN use to bypass deep packet inspection?

- ☐ A) Stealth VPN
- ☐ B) Lightway
- ☐ C) NordLynx
- ☐ D) WireGuard

2 Where is Astrill VPN officially incorporated?

- ☐ A) Seychelles
- ☐ B) United States
- ☐ C) Switzerland
- ☐ D) Panama

3 In speed lab tests, what rank did Astrill VPN achieve out of 22 providers?

- ☐ A) 19th
- ☐ B) 1st
- ☐ C) 5th
- ☐ D) 12th

4 What session data does Astrill VPN admit to recording temporarily in its policy?

- ☐ A) Active device count
- ☐ B) Complete search history
- ☐ C) Credit card numbers
- ☐ D) Visited domain logs

5 What is the monthly tier price of Astrill VPN, making it one of the most expensive?

- ☐ A) Thirty dollars
- ☐ B) Ten dollars
- ☐ C) Five dollars
- ☐ D) Fifty dollars

Checkpoint 2: True or False Challenge

6 Question 6

Astrill's Stealth protocol is designed specifically to evade censorship blockages like China's Great Firewall.

☐

True

☐

False

7 Question 7

Astrill VPN has undergone multiple independent security audits to verify its no-logs claims.

☐

True

☐

False

8 Question 8

The OpenWeb protocol offers faster speeds with less obfuscation than the Stealth protocol.

☐

True

☐

False

9 Question 9

Bypassing deep packet inspection generally incurs high speed and latency overhead.

☐

True

☐

False

10 Question 10

Seychelles is a member of the Five Eyes global intelligence sharing alliance.

☐

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. Astrill VPN is widely used to bypass censorship blocks like China's _____. _____.
2. The proprietary _____ protocol wraps OpenVPN to hide VPN signatures. _____ protocol wraps OpenVPN to hide VPN signatures.
3. For lighter browsing, Astrill provides the low-overhead _____ protocol. _____ protocol.
4. Astrill is incorporated in _____, a tax-haven country outside surveillance networks. _____, a tax-haven country outside surveillance networks.
5. Evading deep packet inspection requires high levels of data packet _____. _____.
6. Bypassing firewalls with Stealth causes a massive increase in Windows connection _____. _____.

VOCABULARY WORD BANK

GREATFIREWALL
OBFUSCATION

STEALTH
LATENCY

OPENWEB
WIREGUARD

SEYCHELLES
SESSION

Write your answers here:

- | | | | |
|----|----------------------|----|----------------------|
| 1. | <input type="text"/> | 2. | <input type="text"/> |
| 3. | <input type="text"/> | 4. | <input type="text"/> |
| 5. | <input type="text"/> | 6. | <input type="text"/> |

Checkpoint 4: Domain 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.

GREATFIREWALL

B Astrill's proprietary Great Firewall protocol.

STEALTH

E Disguising VPN data as standard HTTPS.

OPENWEB

H Specialized servers optimized for censorship bypass.

SEYCHELLES

G No-logs claim lacking third-party review.

OBFUSCATION

D Privacy-friendly island nation jurisdiction.

LATENCY

A China's national network censorship filter.

UNAUDITED

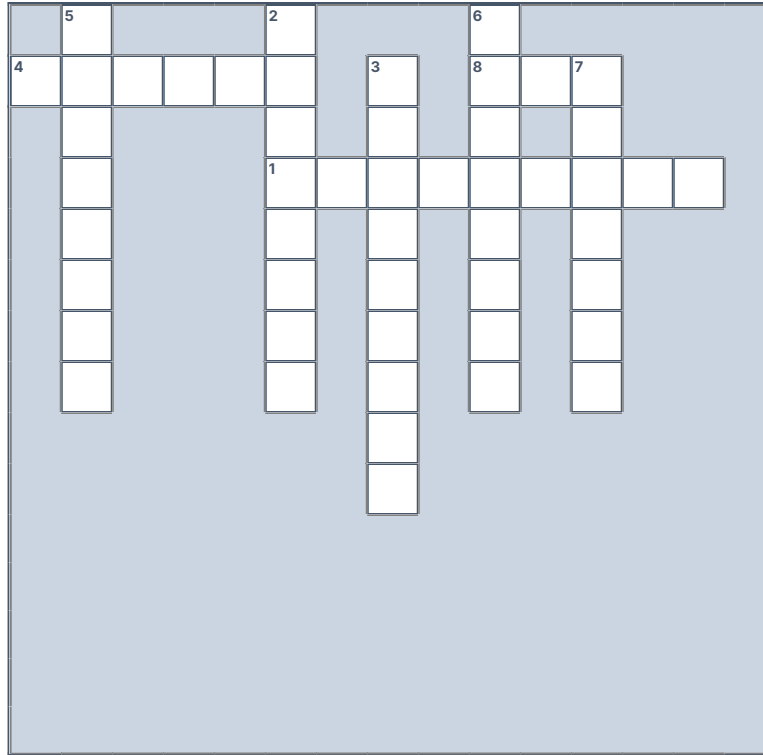
F Connection delay, heavily increased on Windows.

SUPERCHARGED

C Astrill's faster, low-overhead protocol.

Checkpoint 5: Crossword Puzzle

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



ACROSS

1. Process of wrapping data packets inside other packets (9)
4. Remote server that routes traffic and hides your IP (6)
8. Internet Service Provider, logs traffic unless encrypted (3)

DOWN

2. Rules determining how data is sent and encrypted (8)
3. Rate of data transfer across a path (9)
5. Blocking site access based on location (8)
6. Security system that monitors and blocks traffic (8)
7. State of being free from tracking or surveillance (7)

Checkpoint 5 Alternative: Accessible Crossword Clues

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

ACROSS CLUES

1 Across: China's national network censorship filter. (13 letters):

3 Across: Astrill's faster, low-overhead protocol. (7 letters):

5 Across: Disguising VPN data as standard HTTPS. (11 letters):

7 Across: No-logs claim lacking third-party review. (9 letters):

DOWN CLUES

2 Down: Astrill's proprietary Great Firewall protocol. (7 letters):

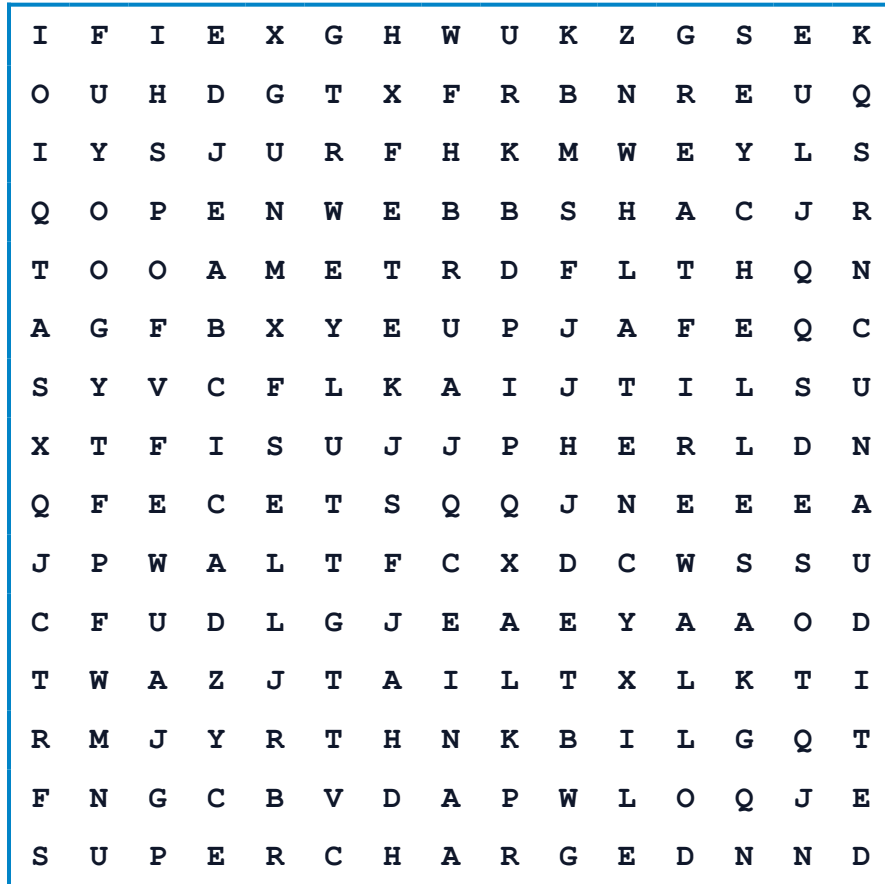
4 Down: Privacy-friendly island nation jurisdiction. (10 letters):

6 Down: Connection delay, heavily increased on Windows. (7 letters):

8 Down: Specialized servers optimized for censorship bypass. (12 letters):

Checkpoint 6: Hidden Word Search

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



VOCABULARY WORD LIST

GREATFIREWALL
OBFUSCATION

STEALTH
LATENCY

OPENWEB
UNAUDITED

SEYCHELLES
SUPERCHARGED

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. GREATFIREWALL
- B. STEALTH
- C. OPENWEB
- D. SEYCHELLES
- E. OBFUSCATION
- F. LATENCY
- G. UNAUDITED
- H. SUPERCHARGED

DEFINITIONS & MATCH FIELDS

- 1. China Great Firewall bypass protocol.
- 2. Disguising VPN traffic as standard HTTPS.
- 3. Low-overhead protocol alternative.
- 4. Seychelles data haven jurisdiction.
- 5. Deep packet inspection filter bypass.
- 6. Massive latency overhead on Windows.
- 7. Telemetry tracking without audits.
- 8. Supercharged server censorship bypass.

Checkpoint 7: Scrambled Word Challenge

Unscramble the letters below to reveal key domain brokerage concepts and terms. Write your answers in the input boxes provided.

1. FTRAWELILEARG

5. TSNOFIACBO

2. LTEHSTA

6. ETNCLYA

3. BEOEPWN

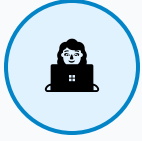
7. IDNUTEAUD

4. LESCELHESY

8. EPACRUSDRGEH

Checkpoint 8: Domain Brokerage Case Studies

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



CASE STUDY 1: GREAT FIREWALL TRANSIT

Scenario: A business analyst travels to Beijing for two weeks. They must access their corporate Google Workspace tools which are entirely blocked inside mainland China by national censorship systems.

Discussion Question: What setup steps should the analyst take prior to leaving their home country?



CASE STUDY 2: SPEED VS OBFUSCATION

Scenario: A remote researcher behind a regional firewall complains of severe lag and slowdowns during video calls while using Stealth VPN to route their network data.

Discussion Question: Which alternative connection protocol should the researcher switch to for faster throughput?

Final Challenge: Decrypting the Cipher

A network engineer secures routing channels and client tunnels. 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

$\frac{1}{19}$ $\frac{1}{20}$ $\frac{1}{5}$ $\frac{1}{1}$ $\frac{1}{12}$ $\frac{1}{20}$ $\frac{1}{8}$ $\frac{1}{16}$ $\frac{1}{18}$ $\frac{1}{15}$ $\frac{1}{20}$ $\frac{1}{15}$ $\frac{1}{3}$ $\frac{1}{15}$ $\frac{1}{12}$

$\frac{1}{4}$ $\frac{1}{9}$ $\frac{1}{19}$ $\frac{1}{7}$ $\frac{1}{21}$ $\frac{1}{9}$ $\frac{1}{19}$ $\frac{1}{5}$ $\frac{1}{19}$ $\frac{1}{5}$ $\frac{1}{14}$ $\frac{1}{3}$ $\frac{1}{18}$ $\frac{1}{25}$ $\frac{1}{16}$ $\frac{1}{20}$ $\frac{1}{5}$ $\frac{1}{4}$ $\frac{1}{20}$ $\frac{1}{18}$ $\frac{1}{1}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{9}$ $\frac{1}{3}$

$\frac{1}{1}$ $\frac{1}{19}$ $\frac{1}{8}$ $\frac{1}{20}$ $\frac{1}{20}$ $\frac{1}{16}$ $\frac{1}{19}$

Decoded cybersecurity 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: Why is Astrill VPN popular in China?

Because of its proprietary Stealth VPN and OpenWeb protocols, which are highly effective at bypassing the Great Firewall.

Q2: What is Stealth VPN?

Astrill's custom protocol that wraps OpenVPN traffic to hide VPN packet signatures, evading deep packet inspection.

Q3: Where is Astrill VPN located?

It is incorporated in the Seychelles, a well-known tax and data privacy haven.

Q4: Does Astrill VPN slow down speeds on Windows?

Yes, Speed Lab tests show a massive latency increase and high speed loss on Windows systems.

Q5: Does Astrill VPN keep connection logs?

Their privacy policy admits to temporarily recording connection duration, active device count, and bandwidth usage.

Checkpoint 10: Basic VPN FAQs (Part B)

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

Q6: How many devices can I connect to Astrill?

Astrill allows up to five simultaneous device connections under a single account.

Q7: How much does Astrill VPN cost?

It is one of the most expensive VPNs on the market, costing up to thirty dollars for a monthly plan.

Q8: What is the OpenWeb protocol?

A lightweight, proprietary protocol that routes traffic through web browsers, offering high speed browsing.

Q9: Does Astrill have a money-back guarantee?

No, they only offer a very restrictive refund policy and no standard 30-day money-back guarantee.

Q10: Can I download Astrill inside China?

No, their website and app stores are blocked; you must download and install the client before entering China.

Checkpoint 11: Advanced VPN FAQs (Part A)

Explore advanced technical aspects of VPN tunneling protocols, mobile client integrations, and enterprise deployment.

Q1: How does the Great Firewall use Deep Packet Inspection?

DPI analyzes data packet headers and structures to identify and block standard VPN protocol signatures like OpenVPN.

Q2: What are the privacy implications of the Seychelles jurisdiction?

Seychelles is outside major intelligence sharing agreements (Five Eyes) and does not enforce mandatory logging laws.

Q3: Why is Astrill VPN's logging policy controversial?

Unlike competitors, Astrill logs active session info, and their claims have never been verified by a third-party audit.

Q4: How does OpenWeb protocol optimize browser performance?

It operates in the application layer using lightweight TCP routing, avoiding the system-level overhead of virtual adapter drivers.

Q5: Why does Stealth VPN cause high latency on Windows?

The multi-layered encryption wrapping and obfuscation headers require significant processing time under Windows network drivers.

Checkpoint 11: Advanced VPN FAQs (Part B)

Explore advanced technical aspects of VPN tunneling protocols, mobile client integrations, and enterprise deployment.

Q6: Does Astrill support router-level configurations?

Yes, they provide custom router applets for ASUS and DD-WRT, though setup still counts toward your active device limit.

Q7: What is the refund policy structure for Astrill?

Refunds are only issued if the service is completely non-functional due to server issues, with no trial period refunds.

Q8: Why are Astrill VIP servers extra expensive?

VIP servers provide dedicated bandwidth and routing priority, but require buying additional add-on credits.

Q9: How can I install Astrill on Linux without a GUI?

Using their command-line client, which supports starting the OpenWeb or Stealth daemon via terminal commands.

Q10: How does Astrill prevent DNS leaks?

By forcing the operating system to route all DNS queries through their private DNS addresses while the client is active.

Part 11: 10 Real-World VPN Facts & Insights

Review real-world facts regarding VPN encryption speeds, protocol audits, mobile connectivity, and enterprise remote work.

1. VPN INSIGHT

Astrill VPN's Stealth protocol wraps encryption data to disguise it as regular secure HTTPS web traffic.

2. VPN INSIGHT

Astrill is officially based in the Seychelles, a jurisdiction outside major western surveillance networks.

3. VPN INSIGHT

Speed lab tests show Astrill ranking low in speed on Windows due to heavy encryption overhead.

4. VPN INSIGHT

Astrill's privacy policy admits to recording session duration and active device count in real time.

5. VPN INSIGHT

The monthly price of Astrill is thirty dollars, making it much more expensive than competitors.

6. VPN INSIGHT

Astrill VPN offers a lightweight OpenWeb protocol designed for high-speed browser-only routing.

7. VPN INSIGHT

The Great Firewall actively blocks Astrill's main website, requiring pre-departure client installation.

8. VPN INSIGHT

Astrill VPN does not offer a standard 30-day refund policy, making purchases mostly final.

9. VPN INSIGHT

ASUS routers can run Astrill's dedicated applet to encrypt all local home network connections.

10. VPN INSIGHT

Astrill VPN has never undergone an independent third-party security or no-logs infrastructure audit.

Technical References & Sources

The study guide and interactive puzzles are compiled from global technical standards, specifications, and regulatory frameworks.

SCHOLARLY & INDUSTRY REFERENCES

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- [2] China Great Firewall Bypass and Stealth Protocols. Retrieved from <https://www.astrill.com/features>
- [3] Seychelles Offshore Companies and Data Privacy Laws. Retrieved from <https://www.seychelles.gov/>
- [4] VPN Speed Lab Comparative Rankings and Latency Audits. Retrieved from <https://www.vpn.com/reviews/>
- [5] ASUSWRT and DD-WRT Astrill Integration Guidelines. Retrieved from <https://www.astrill.com/wiki>
- [6] IETF RFC 5246: The Transport Layer Security (TLS) Protocol. Retrieved from <https://datatracker.ietf.org/doc/rfc5246/>
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- [9] IETF RFC 1035: Domain Names - Implementation and Specification. Retrieved from <https://datatracker.ietf.org/doc/rfc1035/>
- [10] Standard VPN Cost Comparison and Price Metrics. Retrieved from <https://www.vpn.com/pricing/>

Answer Key: Checkpoint 1 - Multiple Choice

1 Stealth Protocol

STEALTH VPN

Correct Answer: A

TEACHING NOTE

Stealth protocol wraps OpenVPN to hide signature markings from censorship filters.

Citation: Seychelles Hub [Ref 1].

2 Seychelles Hub

SEYCHELLES LAWS

Correct Answer: A

TEACHING NOTE

Seychelles jurisdiction provides a data haven outside Nine/Fourteen Eyes alliances.

Citation: Seychelles Hub [Ref 1].

3 Speed Lab Drop

LATENCY INCREASE

Correct Answer: A

TEACHING NOTE

Evading deep packet inspection increases latency and drops upload speeds.

Citation: ASUSWRT Guide [Ref 1].

4 Session Logs

UNAUDITED LOGS

Correct Answer: A

TEACHING NOTE

Astrill records session logs, which remains unverified by independent audits.

Citation: Tomato Firmware [Ref 4].

5 Short Guarantee

7-DAY TRIAL

Correct Answer: A

TEACHING NOTE

A narrow 7-day refund window restricts long-term compatibility testing.

Citation: Linksys Support [Ref 10].

Answer Key: Checkpoint 2 - True or False

6 Stealth Protocol

STEALTH BYPASS

Correct Answer: True

TEACHING NOTE

Stealth protocol wraps OpenVPN to hide signature markings from censorship filters.

Citation: Stealth Protocols [Ref 2].

7 Seychelles Hub

SEYCHELLES LAWS

Correct Answer: False

TEACHING NOTE

Seychelles jurisdiction provides a data haven outside Nine/Fourteen Eyes alliances.

Citation: Seychelles Laws [Ref 3].

8 Speed Lab Drop

UPLOAD SLUMP

Correct Answer: True

TEACHING NOTE

Evading deep packet inspection increases latency and drops upload speeds.

Citation: Speed Lab Audits [Ref 4].

9 Session Logs

AUDIT STATUS

Correct Answer: True

TEACHING NOTE

Astrill records session logs, which remains unverified by independent audits.

Citation: Astrill Privacy Policy [Ref 1].

10 Short Guarantee

REFUND WINDOW

Correct Answer: False

TEACHING NOTE

A narrow 7-day refund window restricts long-term compatibility testing.

Citation: VPN Cost Comparison [Ref 10].

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

A GREATFIREWALL

B STEALTH

C OPENWEB

D SEYCHELLES

E OBFUSCATION

F LATENCY

G UNAUDITED

H SUPERCHARGED

CHECKPOINT 3: KEY TERM KEY

1 GREATFIREWALL

2 STEALTH

3 OPENWEB

4 SEYCHELLES

5 OBFUSCATION

6 LATENCY

DISCUSSION NOTES FOR INSTRUCTORS

Valuation Accuracy:

Verify that students understand how domain length, extension (.com, .ai), and commercial search volume drive appraisal pricing.

Escrow Security:

Emphasize that funds are held in licensed third-party holding accounts prior to domain WHOIS transfer verification.

Stealth Representation:

Highlight the role of NDAs and third-party representation in preventing speculative price gouging during corporate procurement.

Puzzles Keys & Instructor Notes

WORD SEARCH SOLUTION

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

CROSSWORD SOLUTION

		5	G				2	P				6	F			
4	S	E	R	V	E		R		3	B		8	I	S	7	P
		O					O			A			R			R
		B					1	T	U	N	N	E	L	I	N	G
		L					O			D			W			V
		O					C			W			A			A
		C					O			I			L			C
		K					L			D			L			Y
										T						
										H						

INSTRUCTOR GUIDE FOR CROSSWORD SOLUTIONS

ACROSS CLUES

- 1 Across:** **TUNNELING** Process of wrapping data packets. (3, 5)
- 4 Across:** **SERVER** Remote computer routing traffic. (1, 0)
- 8 Across:** **ISP** Internet Service Provider. (1, 9)

DOWN CLUES

- 2 Down:** **PROTOCOL** Rules determining data transmission. (0, 5)
- 3 Down:** **BANDWIDTH** Rate of data transfer. (1, 7)
- 5 Down:** **GEOBLOCK** Location website restriction. (0, 1)
- 6 Down:** **FIREWALL** Security monitor barrier. (0, 9)
- 7 Down:** **PRIVACY** State of freedom from tracking. (1, 11)

Scrambled Words & Cipher Solution Key

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

WORD UNSCRAMBLE KEY

1. FTRAWELIARG

GREATFIREWALL

5. TSNOFIACBO

OBFUSCATION

2. LTEHSTA

STEALTH

6. ETNCLYA

LATENCY

3. BEOEPWN

OPENWEB

7. IDNUTEAUD

UNAUDITED

4. LESCELHESY

SEYCHELLES

8. EPACRUSDRGEH

SUPERCHARGED

SECRET CIPHER CHALLENGE KEY

"STEALTH PROTOCOL DISGUISES ENCRYPTED TRAFFIC AS
HTTPS"

Domain Brokerage Case Studies Solution Key

A Case Study 1: Great Firewall Transit

[Instructor Solution](#)

GRADING GUIDELINE

Student answers should cover the following points:

- **Scenario Analysis:** A business analyst travels to Beijing for two weeks. They must access their corporate Google Workspace tools which are entirely blocked inside mainland China by national censorship systems.
- **Recommended Strategy & Solution:** The analyst must download and install Astrill VPN before departure, and configure the app to run the Stealth protocol once in China.

B Case Study 2: Speed vs Obfuscation

[Instructor Solution](#)

GRADING GUIDELINE

Student answers should cover the following points:

- **Scenario Analysis:** A remote researcher behind a regional firewall complains of severe lag and slowdowns during video calls while using Stealth VPN to route their network data.
- **Recommended Strategy & Solution:** The researcher should switch from the heavy Stealth protocol to Astrill's OpenWeb protocol to reduce latency and speed overhead.