

Printable Cryptograms - Page 1 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

GUIDED

Cryptogram 1

Starter mappings: J = A | M = R | W = E | V = O

J KCDWY XYJMY ZJNWX MVVZ IVM J ASWJM HSJU.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

GUIDED

Cryptogram 2

Starter mappings: W = E | J = R | I = O | H = A

CHJS WBWJV JWXWHMWR QVCNIT NWUIJW VIK ZKWQQ H YIJR.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 2 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

GUIDED

Cryptogram 3

Starter mappings: Y = E | C = A | G = S | D = O

GNDUH ODUAG RCE UYLYCB HNY GNCWY DZ C BDEVYU XYGGCVY.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

GUIDED

Cryptogram 4

Starter mappings: J = E | R = N | P = C | Y = L

ZRJ PJKQCFR YJQQJK PCR MRYZPE UJWJKCY RJO PYMJU.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 3 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

GUIDED

Cryptogram 5

Starter mappings: O = E | H = A | A = C | K = I

DCKWO OHAP NKXAIGOCB HJIGO OGO CB UHWAPKYE XBUJIF.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

GUIDED

Cryptogram 6

Starter mappings: T = E | I = C | N = H | E = O

INTIP ZNT KNEOT DTRZTRIT MTBEVT QEL PTTS X FLTDD.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 4 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

GUIDED

Cryptogram 7

Starter mappings: O = E | P = A | R = S | G = T

UPGGOJAR COEFNO OPRKOJ GF R00 TQ0A NPJLR RGPM A0PG.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

GUIDED

Cryptogram 8

Starter mappings: R = I | M = O | F = T | G = S

Q ZMMU GMXKLW FLGFG Q HMGGRJRXRFV CRFOMNF PMWAREZ RF.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 5 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CLASSIC

Cryptogram 9

Starter mappings: N = E | V = O

RBN YXFQVY BNZQ D WZDN SNLZNGRXVF VL RBN GZVAQI DPVUN RBN

GVASRCDSQ.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

CLASSIC

Cryptogram 10

Starter mappings: M = E | V = A

HMWAJM SPM BVOX HMIVE, MCMJD QVY BVZ WAOTMT VOAEI SPM ZVQM

RJMVZM.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 6 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CLASSIC

Cryptogram 11

Starter mappings: V = E | O = A

O WRSBQV QOSHVMS NOTV HXV VNGHA XOQQFOA DVVQ FOMNVM ODHVM

WCSWVH.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

CLASSIC

Cryptogram 12

Starter mappings: M = E | D = A

AM FMIH HLVMM NFDQP BDVKX NMXUKM HLM NCE ICV QCHMX DQK QMA

UKMDX.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 7 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CLASSIC

Cryptogram 13

Starter mappings: J = A | O = T

OLY CJNO OEJPF QJNNYA XHPYOCG ZLPCY EJPF OJQQA JUJPFNO OLY

ESSW.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

CLASSIC

Cryptogram 14

Starter mappings: I = A | Y = E

TPIAA XKIMDYT NM TJIXNMD XIM PIUY I BNHHNXCAR JIRRYLM YITNYL RV

MVRNXY.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 8 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CLASSIC

Cryptogram 15

Starter mappings: P = E | Y = O

YSF WFYSA ZYJAIFPQ ULY FYSUPG IBQ ZKYGP UKP YBP LMUK CPLPF GUPPA

USFBG.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

CLASSIC

Cryptogram 16

Starter mappings: P = E | S = C

BIOPG PBSZ FBNP, XZP SZPSQPV OZP QPU BMV SDGGPSOPV DMRU SPGOBHM

_____, _____

RPOOPGX.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 9 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CHALLENGE

Cryptogram 17

Starter mappings: W = E

IBWS KBW QAIWD DWKZDSWC, KBW AXC NXANE DWUZLWC PKU UKWHCJ KPNE

HU PV KBW QHZUW BHC SWYWD BHQQWSWC.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

CHALLENGE

Cryptogram 18

Starter mappings: N = E

HMN BPCFNRNC ZPWNF P VPVNC SPINS XCYO NWNCU ZNNF VPGJNH ZY HMN

ZVCDRB INFZ GYKSF IN VSPRRNF DR EDRHNC.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 10 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CHALLENGE

Cryptogram 19

Starter mappings: V = E

EQ QBV VGX HT QBV NHFZUBHK, VEJB QHHA NEU JAVEGVX, JHPGQVX, EGX
_____/_____/_____/_____
FVQPFGVX QH YQU SEFZVX KAEJV.
_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

CHALLENGE

Cryptogram 20

Starter mappings: L = E

Y BYQLISX QLYCLQ DMHPBLJ EVLD Y QLNLYHLC EMQC BVYDTLJ HVL QVWHVG

MI YD MHVLQEPJL JPGNXL NYQYTQYNV.
_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 11 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CHALLENGE

Cryptogram 21

Starter mappings: O = E

JOXPRDO VCO JWAITO GPD XHKDOI, GO UKHHKGOI VCO WANOW FPVC PQI

WOPXCOI VCO FAXQAX PWOP UWKY VCO OPDV.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

CHALLENGE

Cryptogram 22

Starter mappings: E = A

SZR IWENN WKIRKW XFICNEO KIRX NFBZS, IZEXJG, EVX WFDDJDI SJ SKDV

EV RWCSO GENN FVSJ E WJAFVB NEVXITECR.

_____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Printable Cryptograms - Page 12 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CHALLENGE

Cryptogram 23

Starter mappings: F = E

SV VSF EGXLFC BLF CFPZXZVS; BLF BFRW QZXBFC FRPL VOBZVS, BFXBFC
_____, _____, _____
ZBX QZWZBX, RSC BLFS PLVXF R OERPZPRQ OQRS.
_____, _____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

CHALLENGE

Cryptogram 24

Starter mappings: G = A

CAZDPE LX0 QLTZI, G JGLLOZV SGIF, G CORU TK RGZCQ, GPC G FTL TK
_____, _____, _____
LOG UOFL LX0 OMOPDPE RGS I GPC TZCOZSV.
_____, _____.

CIPHER: A B C D E F G H I J K L M
PLAIN : _ _ _ _ _

CIPHER: N O P Q R S T U V W X Y Z
PLAIN : _ _ _ _ _

Answer Key - Page 1 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

GUIDED

Answer 1

Plaintext

A QUIET START MAKES ROOM FOR A CLEAR PLAN.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: J = A | M = R | W = E | V = O

GUIDED

Answer 2

Plaintext

MARK EVERY REPEATED SYMBOL BEFORE YOU GUESS A WORD.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: W = E | J = R | I = O | H = A

Answer Key - Page 2 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

GUIDED

Answer 3

Plaintext

SHORT WORDS CAN REVEAL THE SHAPE OF A LONGER MESSAGE.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: Y = E | C = A | G = S | D = O

GUIDED

Answer 4

Plaintext

ONE CERTAIN LETTER CAN UNLOCK SEVERAL NEW CLUES.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: J = E | R = N | P = C | Y = L

Answer Key - Page 3 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

GUIDED

Answer 5

Plaintext

WRITE EACH DISCOVERY ABOVE EVERY MATCHING SYMBOL.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: O = E | H = A | A = C | K = I

GUIDED

Answer 6

Plaintext

CHECK THE WHOLE SENTENCE BEFORE YOU KEEP A GUESS.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: T = E | I = C | N = H | E = O

Answer Key - Page 4 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

GUIDED

Answer 7

Plaintext

PATTERNS BECOME EASIER TO SEE WHEN MARKS STAY NEAT.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: O = E | P = A | R = S | G = T

GUIDED

Answer 8

Plaintext

A GOOD SOLVER TESTS A POSSIBILITY WITHOUT FORCING IT.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: R = I | M = O | F = T | G = S

Answer Key - Page 5 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CLASSIC

Answer 9

Plaintext

THE WINDOW HELD A PALE REFLECTION OF THE CLOUDS ABOVE THE COURTYARD.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: N = E | V = O

CLASSIC

Answer 10

Plaintext

BEFORE THE WALK BEGAN, EVERY MAP WAS FOLDED ALONG THE SAME CREASE.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: M = E | V = A

Answer Key - Page 6 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CLASSIC

Answer 11

Plaintext

A SINGLE LANTERN MADE THE EMPTY HALLWAY FEEL WARMER AFTER SUNSET.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: V = E | O = A

CLASSIC

Answer 12

Plaintext

WE LEFT THREE BLANK CARDS BESIDE THE BOX FOR NOTES AND NEW IDEAS.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: M = E | D = A

Answer Key - Page 7 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CLASSIC

Answer 13

Plaintext

THE LAST TRAIN PASSED QUIETLY WHILE RAIN TAPPED AGAINST THE ROOF.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: J = A | O = T

CLASSIC

Answer 14

Plaintext

SMALL CHANGES IN SPACING CAN MAKE A DIFFICULT PATTERN EASIER TO NOTICE.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: I = A | Y = E

Answer Key - Page 8 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CLASSIC

Answer 15

Plaintext

OUR GROUP COMPARED TWO ROUTES AND CHOSE THE ONE WITH FEWER STEEP TURNS.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: P = E | Y = O

CLASSIC

Answer 16

Plaintext

AFTER EACH PAGE, SHE CHECKED THE KEY AND CORRECTED ONLY CERTAIN LETTERS.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: P = E | S = C

Answer Key - Page 9 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CHALLENGE

Answer 17

Plaintext

WHEN THE POWER RETURNED, THE OLD CLOCK RESUMED ITS STEADY TICK AS IF THE PAUSE
HAD NEVER HAPPENED.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: W = E

CHALLENGE

Answer 18

Plaintext

THE GARDENER SAVED A PAPER LABEL FROM EVERY SEED PACKET SO THE SPRING BEDS
COULD BE PLANNED IN WINTER.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: N = E

Answer Key - Page 10 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CHALLENGE

Answer 19

Plaintext

AT THE END OF THE WORKSHOP, EACH TOOL WAS CLEANED, COUNTED, AND RETURNED TO ITS MARKED PLACE.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: V = E

CHALLENGE

Answer 20

Plaintext

A CAREFUL READER NOTICES WHEN A REPEATED WORD CHANGES THE RHYTHM OF AN OTHERWISE SIMPLE PARAGRAPH.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: L = E

Answer Key - Page 11 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CHALLENGE

Answer 21

Plaintext

BECAUSE THE BRIDGE WAS CLOSED, WE FOLLOWED THE RIVER PATH AND REACHED THE
PICNIC AREA FROM THE EAST.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: O = E

CHALLENGE

Answer 22

Plaintext

THE SMALL MUSEUM DISPLAY USED LIGHT, SHADOW, AND MIRRORS TO TURN AN EMPTY WALL
INTO A MOVING LANDSCAPE.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: E = A

Answer Key - Page 12 of 12

Each cipher uses its own one-to-one alphabet. No plaintext letter maps to itself.

CHALLENGE

Answer 23

Plaintext

NO ONE RUSHED THE DECISION; THE TEAM LISTED EACH OPTION, TESTED ITS LIMITS,
AND THEN CHOSE A PRACTICAL PLAN.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: F = E

CHALLENGE

Answer 24

Plaintext

DURING THE STORM, A BATTERY LAMP, A DECK OF CARDS, AND A POT OF TEA KEPT THE
EVENING CALM AND ORDERLY.

Complete cipher-to-plain key

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

Verified: 26 unique cipher letters, zero self-maps, exact round trip.
Original starter mappings: G = A