

Cryptograms

CRYPTOGRAM 01

E E E
 B H B P Q I W B I J O R F R F W U E B
 E E E E E
 D P I G Z B R U G W Z Z B B Y B R U R B W R B G
 E
 K E F T Z I J U E B K I R X I R D I P W I J
 E E E E
 B N Y T I Z B Z R U G P R G W Z Z B R U F W B Z U I
 E E E E
 P B U O P W I O P G U I X R U I U E B M P B G U
 E
 P B K Q K T F W M .

FREQUENCY

B	I	R	U	P	W	Z	G	F	E	K	J	O	T	D	M	Q	X	Y	H	N
19	13	12	12	9	9	9	7	5	4	4	3	3	3	2	2	2	2	2	1	1
15%	10%	10%	10%	7%	7%	7%	6%	4%	3%	3%	2%	2%	2%	2%	2%	2%	2%	2%	1%	1%

CIPHER KEY

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

– Carl Sagan

NOTES

CRYPTOGRAM 02

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

FREQUENCY

Y	B	I	L	S	V	D	C	K	F	M	N	O	W	Z	E	G	J	H	Q	R	U
17	12	11	11	11	11	9	6	6	5	5	4	4	3	3	2	2	2	1	1	1	1
13%	9%	9%	9%	9%	9%	7%	5%	5%	4%	4%	3%	3%	2%	2%	2%	2%	2%	1%	1%	1%	1%

CIPHER KEY

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

– Carl Sagan

NOTES

Cryptograms

CRYPTOGRAM 03

W F B N Q F N B W V R V X A S K U B Q H B Q L
 P I F U P A J N K U V Q B K B W V O A C X A S
 H Q A R G N C L N R J A K N F V J G W V L V Q
 C N S N Q C B Q L K U N C B W F B T G B Q N
 V L V B Q W K K U A W N R U A P B W K V H N
 S V F K W S A J P N K U A C .

FREQUENCY

N	B	V	A	K	Q	W	U	C	F	L	S	J	P	R	G	H	X	I	O	T
13	12	11	10	10	10	9	7	6	6	5	5	4	4	4	3	3	2	1	1	1
10%	9%	9%	8%	8%	8%	7%	6%	5%	5%	4%	4%	3%	3%	3%	2%	2%	2%	1%	1%	1%

CIPHER KEY

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

– Carl Sagan

NOTES

CRYPTOGRAM 04

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

FREQUENCY

L	P	K	X	E	H	D	J	Q	A	V	O	S	U	C	F	M	N	B	T	Y	Z
15	14	11	10	9	9	8	6	6	5	5	4	4	4	3	2	2	2	1	1	1	1
12%	11%	9%	8%	7%	7%	7%	5%	5%	4%	4%	3%	3%	3%	2%	2%	2%	2%	1%	1%	1%	1%

CIPHER KEY

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

– Carl Sagan

NOTES

Answer Key – Cryptograms

Solve before peeking. Full solutions below.

- 01 EVERY ONE OF US IS IN THE BROADEST AND DEEPEST SENSE A CHILD OF THE COSMOS BORN OF EXPLODED STARS AND DESTINED TO RETURN OUR ATOMS TO THE GREAT RECYCLING.
– Carl Sagan
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- 02 EXTINCTION IS THE RULE SURVIVAL IS THE EXCEPTION WROTE CARL SAGAN REMINDING US THAT WHAT WE CALL PROGRESS IS A FRAGILE WINDOW BETWEEN ANCIENT DARKNESSES.
– Carl Sagan
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- 03 SCIENCE IS A WAY OF THINKING MUCH MORE THAN IT IS A BODY OF KNOWLEDGE WROTE CARL SAGAN DEFENDING THE DISCIPLINE AGAINST THOSE WHO MISTAKE FACTS FOR METHOD.
– Carl Sagan
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- 04 VALID CRITICISM DOES YOU A FAVOR WROTE CARL SAGAN OFFERING THE COUNTERINTUITIVE BUT INDISPENSABLE ATTITUDE OF EVERY HONEST INQUIRER IN ANY FIELD.
– Carl Sagan
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