

3. Looking at the start, we see **IT I?** and can't help but think that it says "IT IS" so we go ahead and fill that in. This also shows us a **ST** corresponding to **BC** which gives us a little confidence in the choice. We also can see that there are too many letters between the **E** and **I** tells us the **E** must be part of a key phrase.

VC|VB|C UNXQA IKTQJ NODSQ CNOXV JOCKR NQRMN CKNJC
 IT|IS|T E E TE I T E E T E T
 NACQV JQCUK DPUCL VCUKD CQSSN YCVJP VC
 E T I T T IT T E TI IT

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1		
Replacement		S	T											E												I	

4. Since we think that I is probably not part of the key phrase, it is a good bet that **U** corresponds to either a **G** or an **H**. Looking at the start of our phrase, Trying an **H** for the **U** makes the phrase start out as **IT IS THE** giving us another boost of confidence.

VC|VB|C UNXQA IKTQJ NODSQ CNOXV JOCKR NQRMN CKNJC
 IT|IS|T HE E TE I T E E T E T
 NACQV JQCUK DPUCL VCUKD CQSSN YCVJP VC
 E T I TH HT ITH T E TI IT

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement		S	T											E								H	I			

5. Looking at the **HT?ITH** sequence, there are very few words that have **ITH** in them with the most obvious being **WITH** so we will take a guess that **L** stands for **W**. This is reasonable since W is a very low frequency letter and there is only a single occurrence of **L** in the text. We can also be certain that it is part of the keyphrase.

VC|VB|C UNXQA IKTQJ NODSQ CNOXV JOCKR NQRMN CKNJC
 IT|IS|T HE E TE I T E E T E T
 NACQV JQCUK DPUCL VCUKD CQSSN YCVJP VC
 E T I TH HTW ITH T E TI IT

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement		S	T									W		E								H	I			

6. Remembering that W has been taken now, we make a quick count of the letters after the **ST** we notice that **UVXYZ** fills in for **DEFGH** and given that **EFGH** are not used, **VXYZ** not appearing in the quote is logical. So we will guess that **D** stands for **U** and it also tells us our keyphrase probably starts at **I**.

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

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement		S	T	U	V	X	Y	Z			W	E								H	I					

7. Now we take a quick check of our six most frequent letters ETAOIN, we only need to see where A O and N might be used. For this, J K and Q stand out for their higher frequency.

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

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement		S	T	U	V	X	Y	Z		aon	aon	W	E			aon				H	I					

8. Looking at this, **WITHaonUT** tells us the K must be O. WNow we take a quick check of our six most frequent letters ETAOIN, we only need to see where A O and N might be used. For this, J K and Q stand out for their higher frequency.

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

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement		S	T	U	V	X	Y	Z		an	O	W	E			an				H	I					

9. **THOU?HT** can only be **THOUGHT** which tells us the **P** must stand for **G**. It also tells us that the keyphrase must extend to the letter P.

VCVBC UNXQA IKTQJ NODSQ CNOXV JOCKR NQRMN CKNJC
 ITIST HE ^{an} O ^{an an} E U ^{an} TE I ^{an} TO E ^{an} E TOE ^{an} T
 NACQV JQCUK DPUCL VCUKD CQSSN YCVJP VC
 E T ^{an} I ^{an an} THO UGHTW ITHOU T ^{an} E T I ^{an} G IT

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement		S	T	U	V	X	Y	Z	^{an}	O	W		E		G	^{an}					H	I				

10. This gives us a really nice breakthrough as it tells us that **J** must be **N** (and **Q** is **A**) by looking at the **WITHOUT ^{an}??E?TI^{an}G IT**. It wouldn't make sense to for **J** to be **A** which would read as **WITHOUT N??E?TIAG IT**. Filling that in gives us:

VCVBC UNXQA IKTQJ NODSQ CNOXV JOCKR NQRMN CKNJC
 ITIST HE A O AN E U A TE I N TO EA E TOENT
 NACQV JQCUK DPUCL VCUKD CQSSN YCVJP VC
 E TAI NATHO UGHTW ITHOU TA E TING IT

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement		S	T	U	V	X	Y	Z		N	O	W		E		G	A				H	I				

11. Stepping back in to the K1 alphabet, we see that there is only one letter gap in the Q-U mapping for A-H and a two letter gap in the V-B range for I-S. So we fill out those letters and look to see what that gives us.

VCVBC UNXQA IKTQJ NODSQ CNOXV JOCKR NQRMN CKNJC
 ITIST HE ^{klm} A ^{pqr} O ^{df} AN E U ^{cd} A TE ^{kl} I N TO ^{bc} EA ^{bc} E TOENT
 NACQV JQCUK DPUCL VCUKD CQSSN YCVJP VC
 E ^{pqr} TAI NATHO UGHTW ITHOU TA ^{cd cd} E ^{lm} TING IT ^p

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement	^{pqr}	S	T	U	V	X	Y	Z		N	O	W		E		G	A	^{bc}	^{cd}	^{df}	H	I	^{jkl}	^{klm}	^{lmp}	^{mpq}

12. Reading through what this gives us, you can immediately see that **AcdcdEImpTING** must be **ACCEPTING** which means that **S** must be **C** (forcing **R** to be **B**) and **Y** must be **P** which forces **Z** to be **Q** and **A** to be **R**. Filling just those gives us.

V C V B C U N X Q A I K T Q J N O D S Q C N O X V J O C K R N Q R M N C K N J C
 I T I S T H E ^{klm} A R O ^{df} A N E U C A T E ^{kl} I N T O B E A B E T O E N T
 N A C Q V J Q C U K D P U C L V C U K D C Q S S N Y C V J P V C
 E R T A I N A T H O U G H T W I T H O U T A C C E P T I N G I T

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement	R	S	T	U	V	X	Y	Z		N	O	W		E		G	A	B	C	df	H	I	kl	klm	P	Q

13. Next we see **E?UCATE** which tells us that **O** must be **D** (leaving **T** to map to **F**).

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

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement	R	S	T	U	V	X	Y	Z		N	O	W		E	D	G	A	B	C	F	H	I	kl	klm	P	Q

14. Seeing **OF AN EDUCATED klmIND** tells us that **X** must be **M**.

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

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement	R	S	T	U	V	X	Y	Z		N	O	W		E	D	G	A	B	C	F	H	I	kl	M	P	Q

15. At this point we could simply stop as we have gotten all but two letters of the solution and it would be counted as correct, but with the K1 alphabet in mind, and only **J K** and **L** to place, it is pretty apparent that the key phrase is **KNOWLEDGE** with **I** for **K** and **M** for **L**. Filling this in gives us a final answer and a complete K1 alphabet:

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

K1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Frequency	2	1	13	3					1	5	5	1	1	8	3	2	7	2	3	1	4	7		2	1	
Replacement	R	S	T	U	V	X	Y	Z	K	N	O	W	L	E	D	G	A	B	C	F	H	I	J	M	P	Q