

# Cryptography WS

Name:

Block:

Seat:

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

Decipher the following using the Vigenère method described in the video. After each riddle, the key is indicated in the parentheses, followed by the cipher.

For example:

What is black and white and read all over? (FROG) SVKYURDKW

Solution:

F	R	O	G	F	R	O	G	F
S	V	K	Y	U	R	D	K	W
N	E	W	S	P	A	P	E	R

In the F row, we find S is in the N column. In the R row, we find V in the E column. In the O row, we find K in the W column. In the G row, we find Y in the S column. In the F row, we find U in the P column, In the R row, we find R in the A column. In the O row, we find D in the P column...etc. Continue repeating the key until the answer is deciphered, in this case “NEWSPAPER”

5. Give me food, and I will live; give me water, and I will die. What am I? (FEED) KMOVH

6. I went into the woods and got it. I sat down to seek it. I brought it home with me because I couldn't find it. What is it? (TICK) TARVBVVOK
  
7. I am weightless, but you can see me. Put me in a bucket, and I'll make it lighter. What am I? (MAGIC) TORM
  
8. I'm the part of the bird that's not in the sky. I can swim in the ocean and yet remain dry. What am I? (FEATHER) FWHTKSN
  
9. Throw it off the highest building, and I'll not break. But put me in the ocean, and I will. What am I? (FRAGILE) FNABM
  
10. Whoever makes it, tells it not. Whoever takes it, knows it not. Whoever knows it, wants it not. What is it? (SECRET) USWEXXJJGZXFGRGP

11. What work is it that the faster you work, the longer it is before you're done, and the slower you work, the sooner you're finished? (JOB) ACBBHJWUNNOUXBBBDJC
12. What jumps when it walks and sits when it stands? (SAT) SKTFGTJOH
13. What kind of coat can only be put on when wet? (WARM) WCFMPOWBWIEF
14. You do not want to have me, But when you have me, You do not want to lose me. What am I? (PET) PPTLWNXX
15. You have the misfortune to own an unreliable clock. This one loses exactly 24 minutes every hour. It is now showing 3:00am and you know that it was correct at midnight, when you set it. The clock stopped 1 hour ago, what is the correct time now? (TIME) LQJEF.