

## Homework 4

### 1. Message and Key:

a. Position of P in Alphabet: 16

Position of I in Alphabet: 9

Position of G in Alphabet: 7

b.

C	E	A	S	E		F	I	R	E		A	T		E	L	E	V	E	N
P	I	G	P	I		G	P	I	G		P	I		G	P	I	G	P	I
R	M	G	H	M		L	X	Z	K		P	B		K	A	M	B	T	V

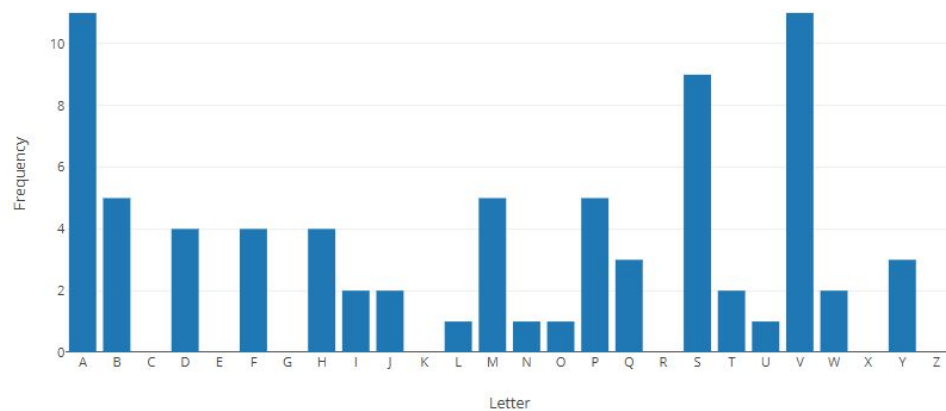
### 2.

a.

A 11	E 0	I 2	M 5	Q 3	U 1	Y 3
B 5	F 4	J 1	N 1	R 0	V 11	Z 0
C 0	G 0	K 0	O 1	S 9	W 2	
D 4	H 4	L 1	P 5	T 2	X 0	



Letter Frequency in Message



b.

c.

1-letter words:	0
2-letter words:	6
3-letter words:	2
4-letter words:	5

d.

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

VPB = THE?

V → T, P → H, B → E?

Turns VPQV into TH\_T. Possibly "THAT"

Q → A?

Turns QS into A\_. Possibly AS, AT, AN.

S → S?

Possibly.

\_\_TH could be "WITH", "PITH"

I → W, A → I?

Most likely.

\_O to to?

M → O?

\_EO\_\_E looks like "PEOPLE"

F → P? D → L?

Probably.

S is Probably not S since OS is not a word.

e. I watch a lot of Wheel of Fortune. The quote is: "The trouble with having an open mind is that people will insist on trying to put things in it."