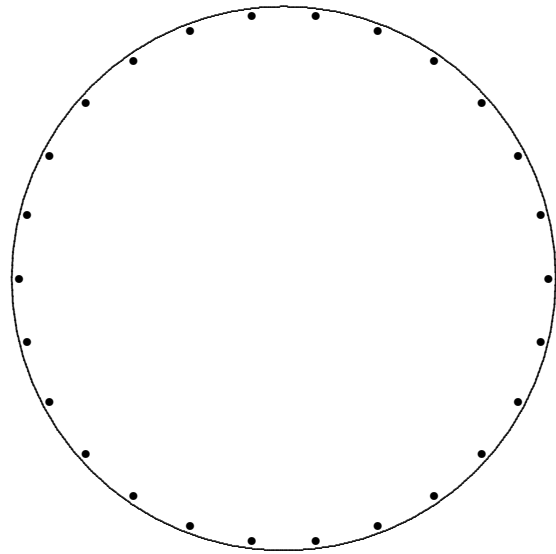
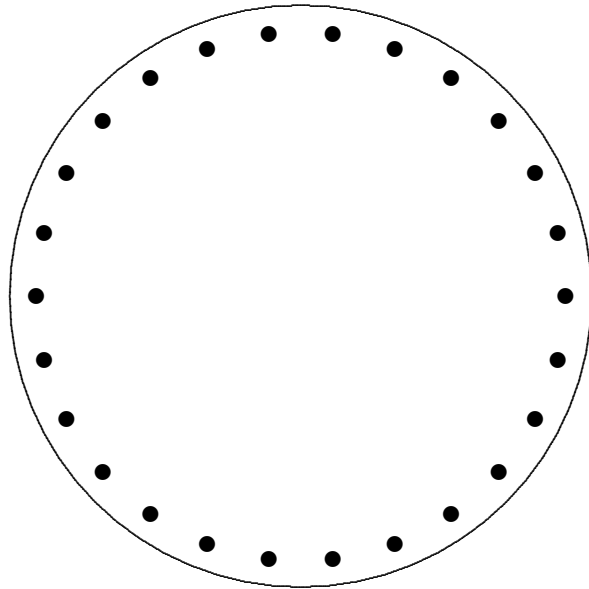


Z		Z	Z		Z
Y		Y	Y		Y
X		X	X		X
W		W	W		W
V		V	V		V
U		U	U		U
T		T	T		T
S		S	S		S
R		R	R		R
Q		Q	Q		Q
P		P	P		P
O		O	O		O
N		N	N		N
M		M	M		M
L		L	L		L
K		K	K		K
J		J	J		J
I		I	I		I
H		H	H		H
G		G	G		G
F		F	F		F
E		E	E		E
D		D	D		D
C		C	C		C
B		B	B		B
A		A	A		A

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



## Pringle Enigma Instructions

1. Buy a box of Pringles; eat or discard the chips. (Although an empty can is not necessary.)
2. Cut out the three rotor strips, leaving a “tab” at one end.
3. Connect each box on the right hand side with a line to one on the left hand side. The result will look like spaghetti, but try to make it so you can follow the lines. These will be your rotors. (The wirings for rotors I, II, and III of the Enigma I are given at the bottom. The wirings for other rotors can be found on the web.)
4. On one letter of each rotor, draw an arrow pointing down. This indicates when the neighboring rotor advances. (This could be adjusted on the real Enigma by the ring setting. But in “normal” position, the turnover position for rotors I, II, and III are Q, E, and V, respectively.) Note that when you advance a rotor, you rotate it one step *towards* you. (The letter in the top position should advance.)
5. Wrap the three rotors around the Pringles can and tape or glue them. They should be snug, but will be movable when you twist on them.
6. Cut out the reflector disk (the larger of the two circles) and the entry disk (the other disk).
7. If you wish, write the letters A through Z next to the dots on the reflector rotor in counter-clockwise order. Now connect pairs of dots on the reflector disk. Tape or glue it to the Pringles lid. (The wiring for Reflector B, the most commonly used, is given below.)
8. Write the letter A through Z *between* the small dots on the entry disk in clockwise order. Tape or glue it to the bottom of the can.
9. Now line up the letters on the rotors with the letters on the entry rotor. The letters on the rotors lining up with the A of the entry strip will correspond to the current setting of the rotor. If an arrow appears in one of these positions, this signals an advance of the neighboring rotor on the next rotation.
10. Line up the dots on the reflector to the middle of the letter boxes on the left hand rotor. Make sure that the A on the entering rotor (on the right) lines up with the A on the reflecting rotor (on the left). (You’ll need to trace all the way across the rotors, right-to-left.) Once this is adjusted, you might want to put some tape under the lid of the reflecting rotor to keep it in place. You’re ready to go!

Rotor	ABCDEFGHIJKLMNOPQRSTUVWXYZ	← right side of rotor
I	EKMFLGDQVZNTOWYHXUSPAIBRCJ	← left side of rotor
II	AJDKSIRUXBLHWTMCQGZNPYFVOE	← left side of rotor
III	BDFHJLCPRTXVZNYEIWGAKMUSQO	← left side of rotor
B	YRUHQSLDPXNGOKMIEBFZCWVJAT	reflector rotor