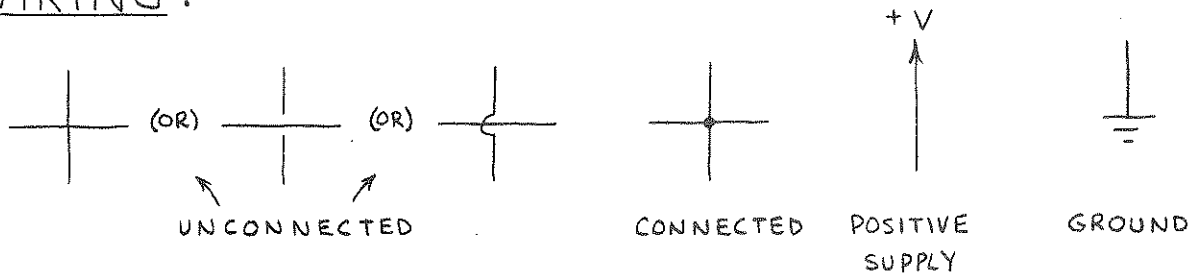
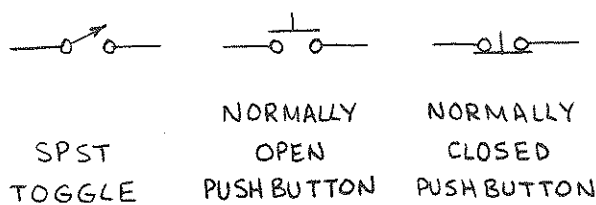


COMMON CIRCUIT SYMBOLS

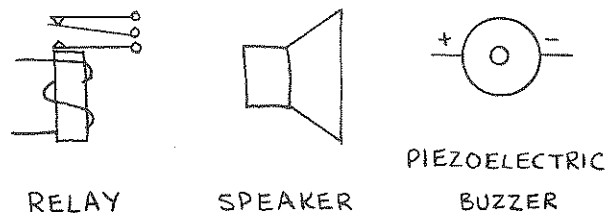
WIRING:



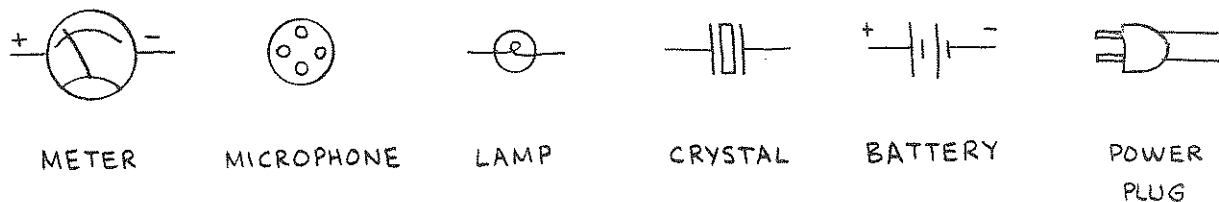
SWITCHES:



OUTPUT DEVICES:



MISCELLANEOUS:



ABBREVIATIONS:

A = AMPERE
F = FARAD
I = CURRENT
P = POWER

R = RESISTANCE
V = VOLT
W = WATT
 Ω = OHM

M (MEG-) = $\times 1,000,000$

K (KILO-) = $\times 1,000$

m (MILLI-) = .001

μ (MICRO-) = .000001

n (nano) = .000000001

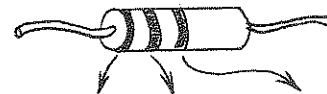
P (pico) = .000000000001

OHM'S LAW:

$$V = IR \quad R = V/I$$

$$I = V/R \quad P = VI \text{ (OR) } I^2 R$$

RESISTOR COLOR CODE:



BLACK	0	0	x	1
BROWN	1	1	x	10
RED	2	2	x	100
ORANGE	3	3	x	1,000
YELLOW	4	4	x	10,000
GREEN	5	5	x	100,000
BLUE	6	6	x	1,000,000
VIOLET	7	7	x	10,000,000
GRAY	8	8	x	100,000,000
WHITE	9	9		

FOURTH BAND INDICATES ACCURACY
(GOLD = $\pm 5\%$, SILVER = $\pm 10\%$,
NO FOURTH BAND = $\pm 20\%$.)