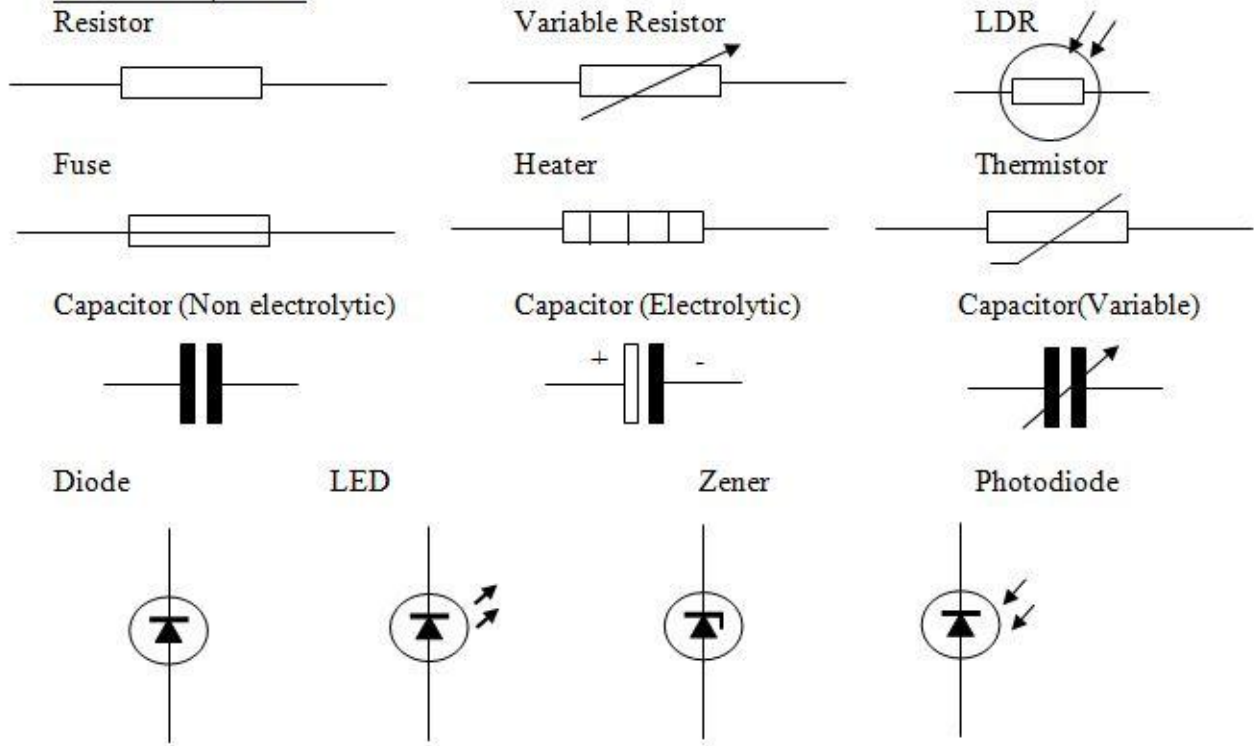


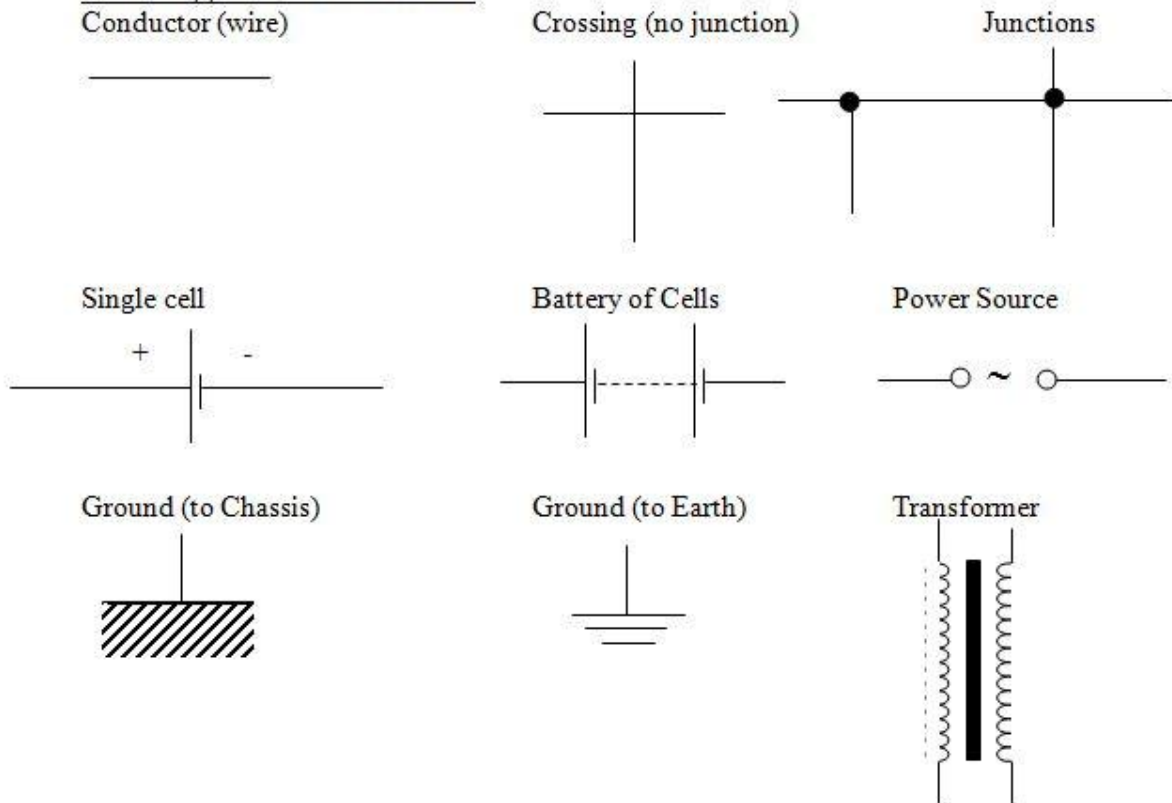
Electronic Symbols

You are expected to know and use these symbols:

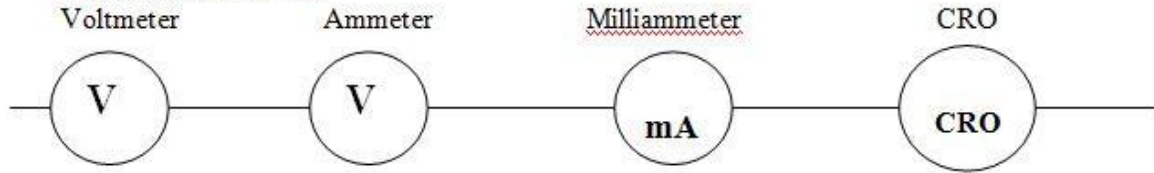
Passive Components



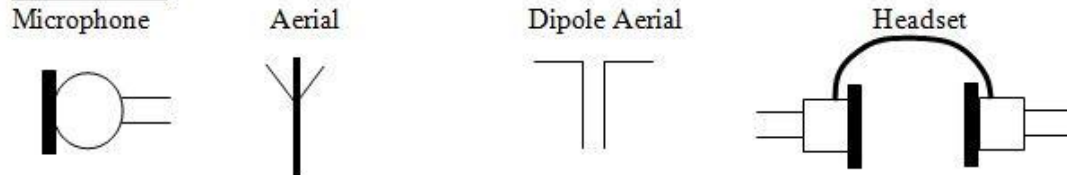
Power Supplies and Connections



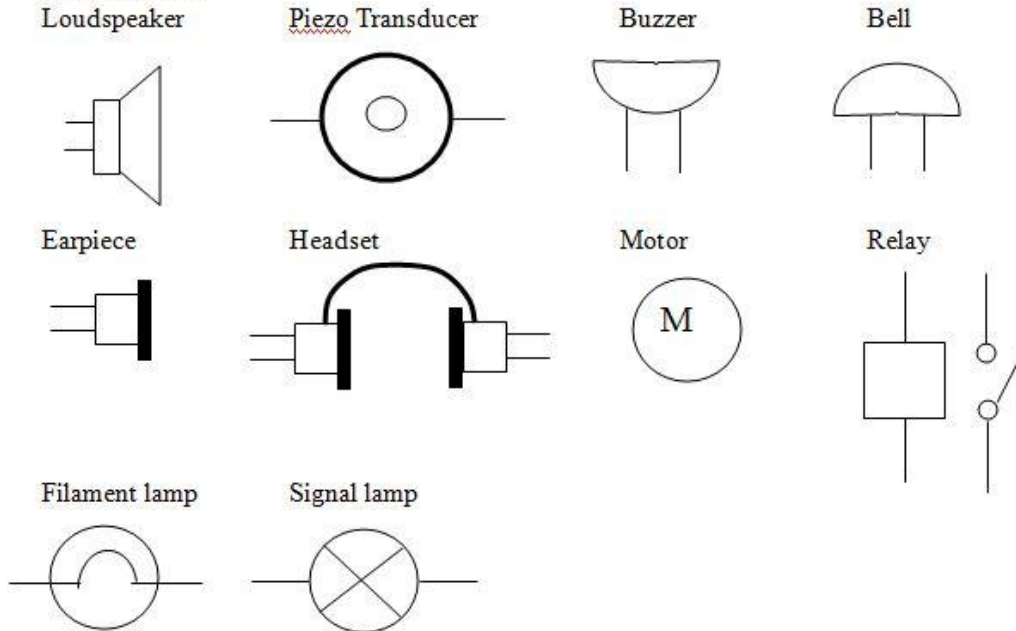
Measuring Equipment



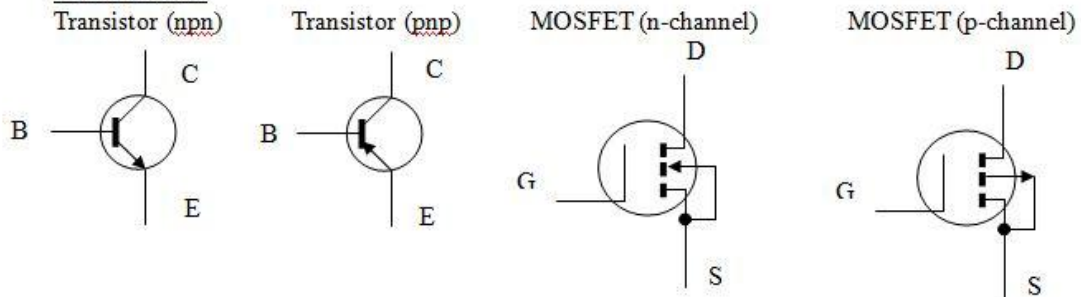
Input Devices



Output Devices



Active Devices



Don't try to learn these symbols parrot-fashion. Use the symbols regularly and you will soon get familiar with them.

E24 Series

Resistors are made in decades with the following values:

1	10	100	1000
1.1	11	110	1100
1.2	12	120	1200
1.3	13	130	1300
1.5	15	150	1500
1.6	16	160	1600
1.8	18	180	1800
2.0	20	200	2000
2.2	22	220	2200
2.4	24	240	2400
2.7	27	270	2700
3.0	30	300	3000 ... etc.
3.3	33	330	3300
3.6	36	360	3600
3.9	39	390	3900
4.3	43	430	4300
4.7	47	470	4700
5.1	51	510	5100
6.2	62	620	6200
6.8	68	680	6800
7.5	75	750	7500
8.2	82	820	8200
9.1	91	910	9100

In many text books you will see values written as:

4R3 for 4.3 Ω , 43 R for 43 Ω , 4k3 for 4300 Ω , and 43 k for 43000 Ω .