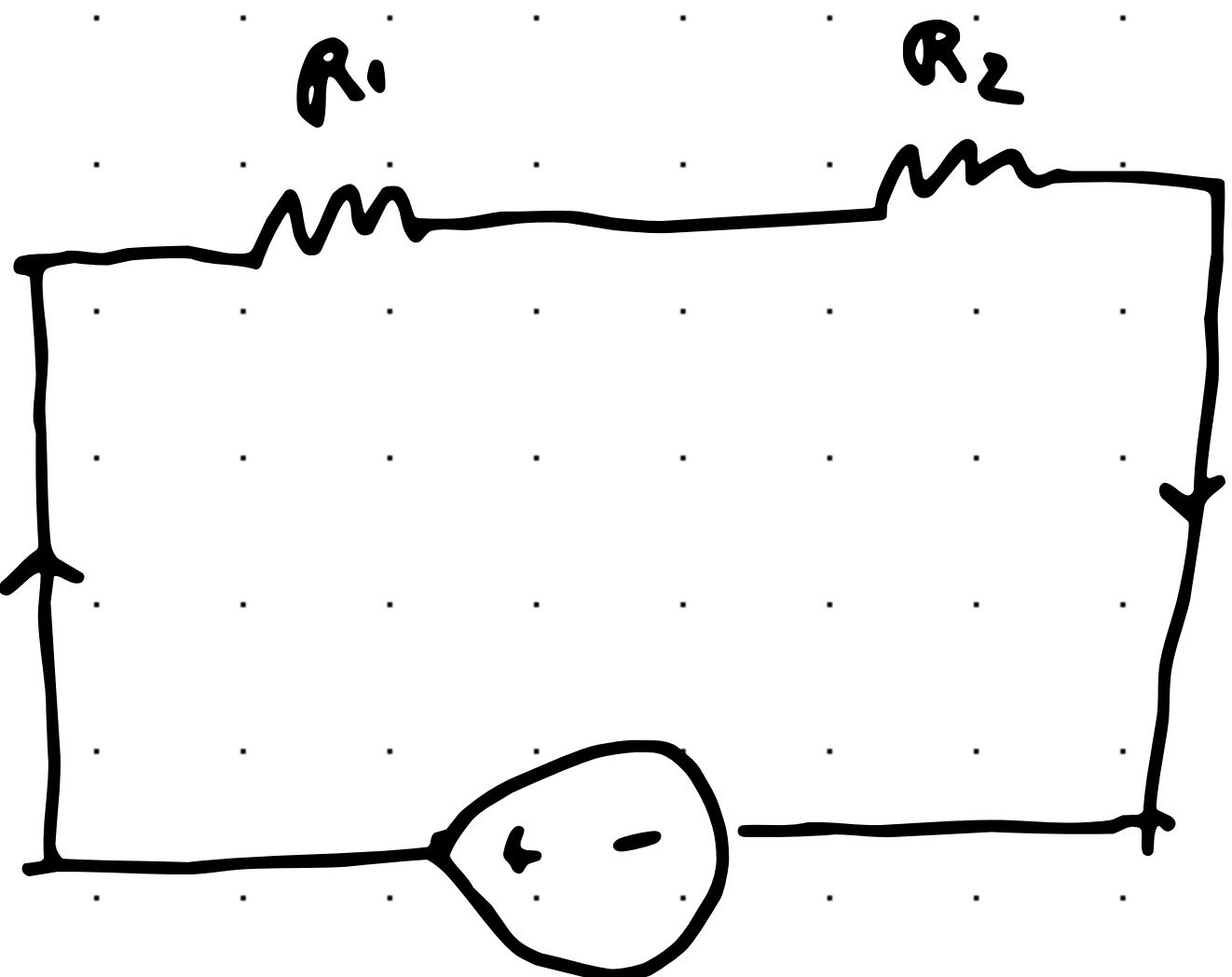
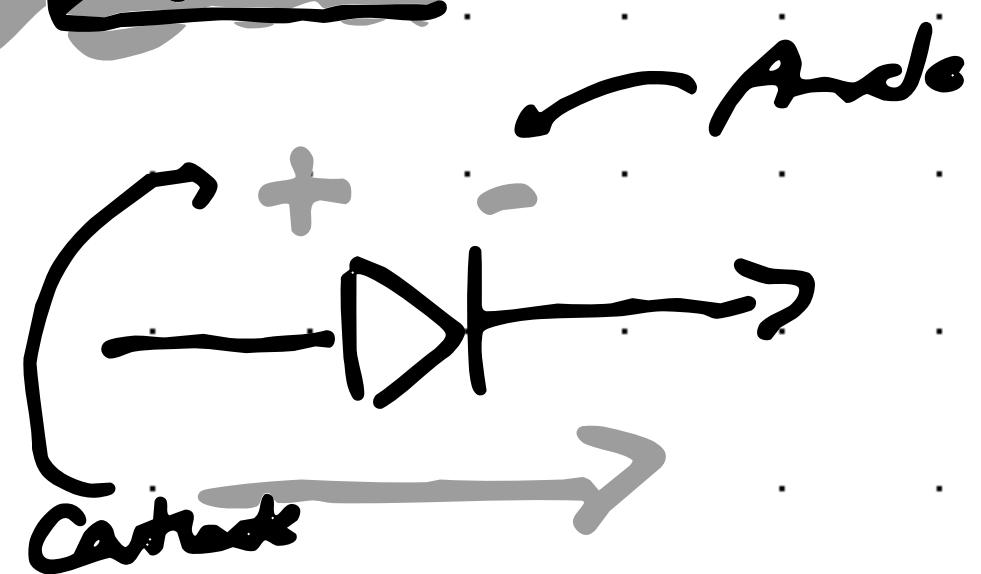


# Electric Circuits Tutorial #1

Alexander Riedel



Diode

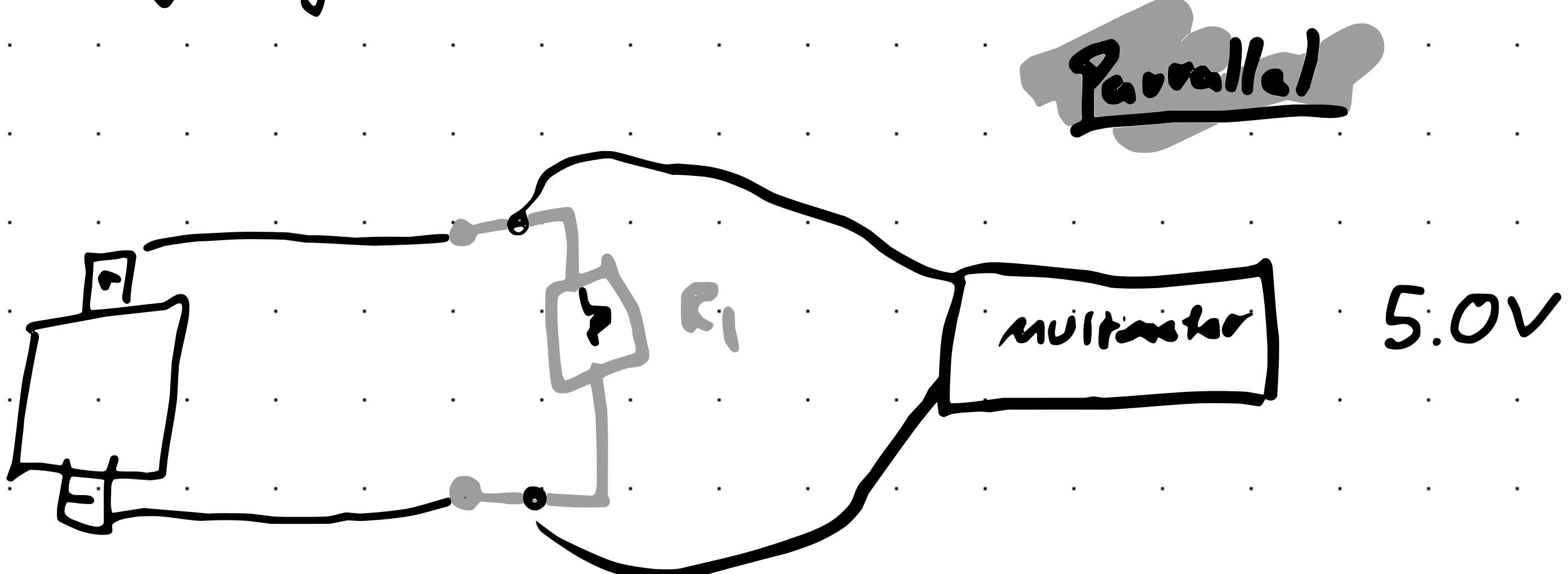


Lets current only flow in one direction

"like a valve"

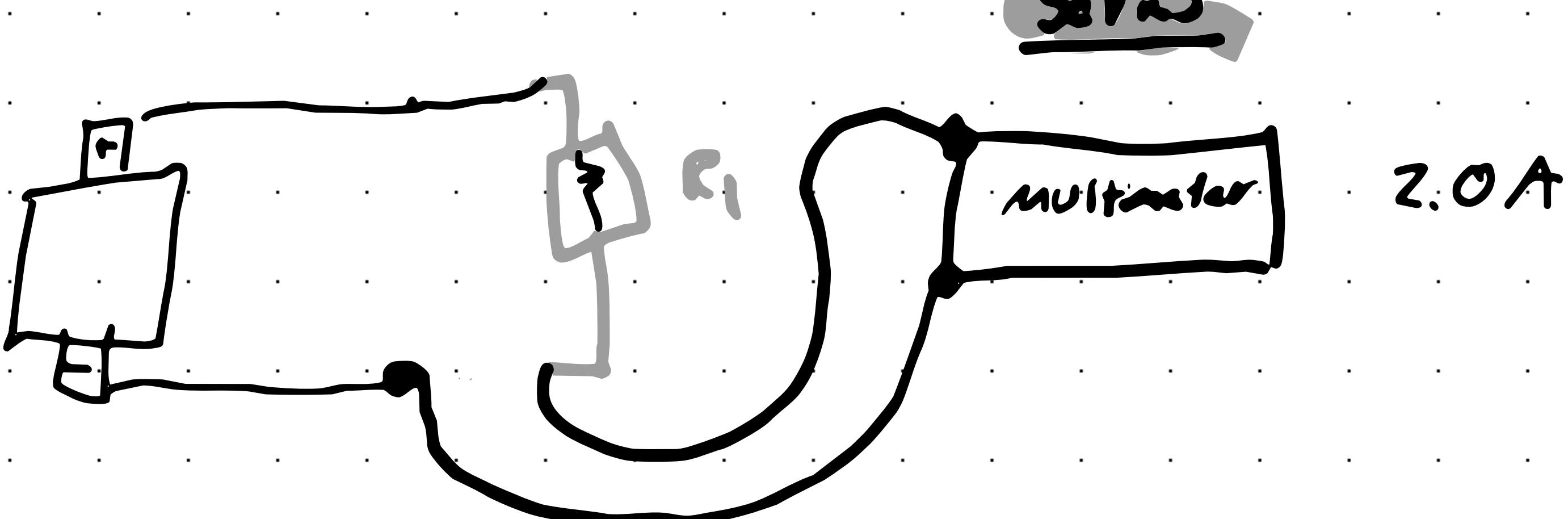
## How to Measure Using a Multimeter.

Voltage

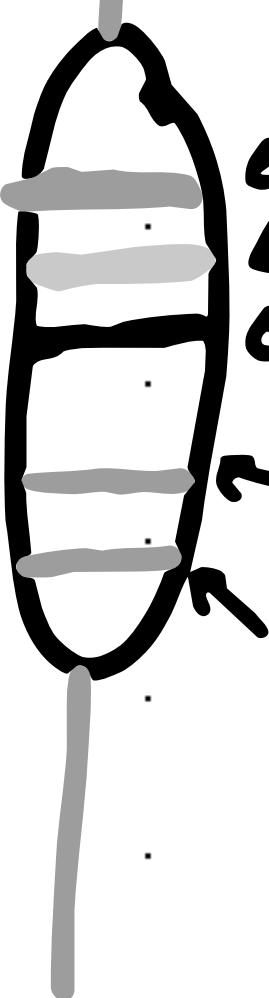


Parallel

Current



Series



1st digit  
2nd digit  
multiplier "x 10<sup>n</sup>"  
Tolerance  
Quality

### Color code

Black:	1
Brown:	2
Red:	3
Orange:	4
Yellow:	5
Green:	6
Blue:	7
Violet:	8
Grey:	9
White:	10

Calculating Resistor values  
using the Color table!

### Tolerance

Grey — 5%  
Silver — 10%