

# 8.6 Series and Parallel Circuits

## Basic ideas

### Series circuits



connect one after the other on the same single path

a gap in the circuit, ✗ current flow

| current : **same** at all the point

| voltage : **different** across different circuit components

### Parallel circuits



connect in parallel are connected on different on different branches.

a gap in the circuit, ✓ current flow

| current : differnt

| main loop = currents in branch A + branch B