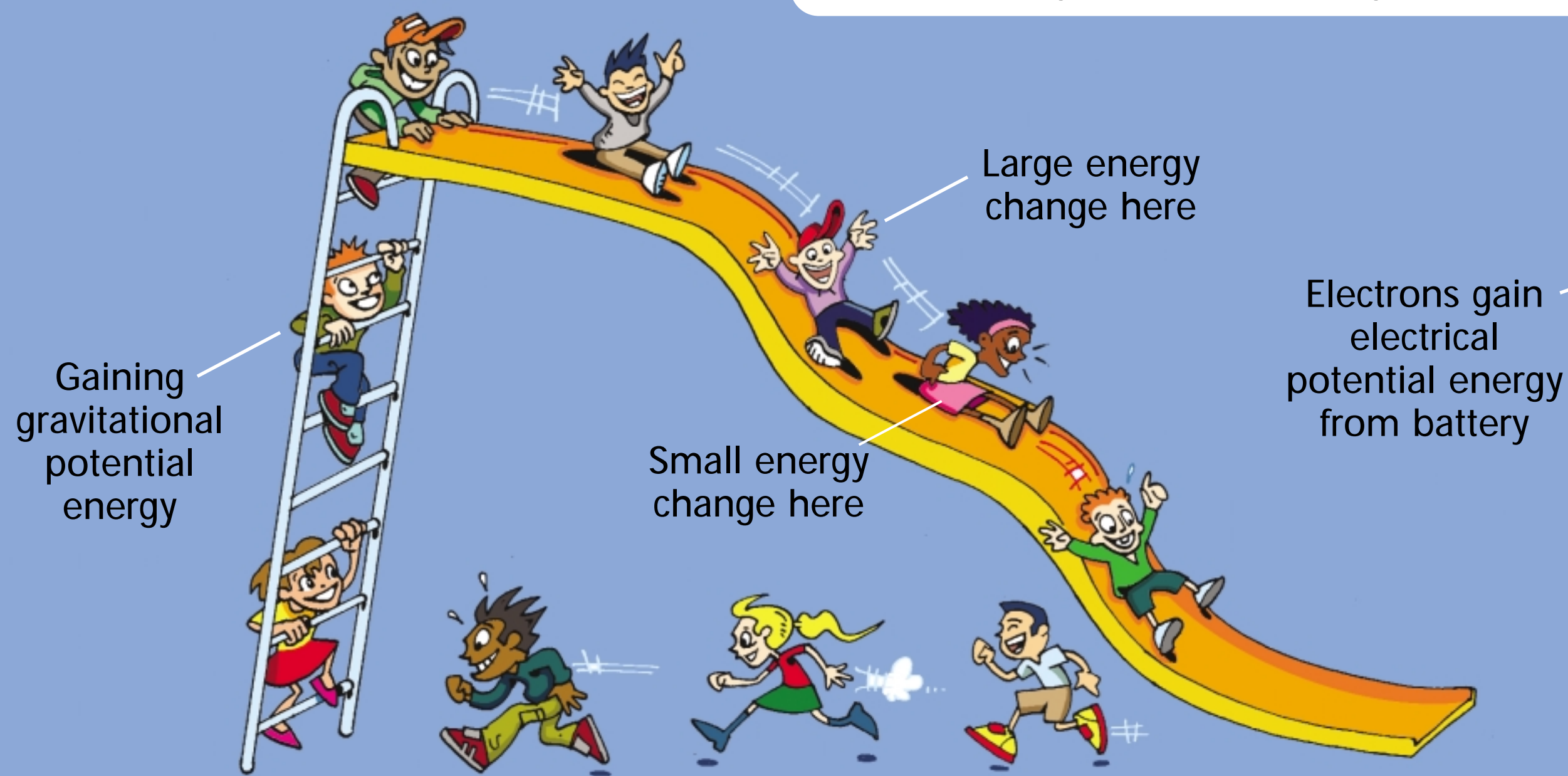


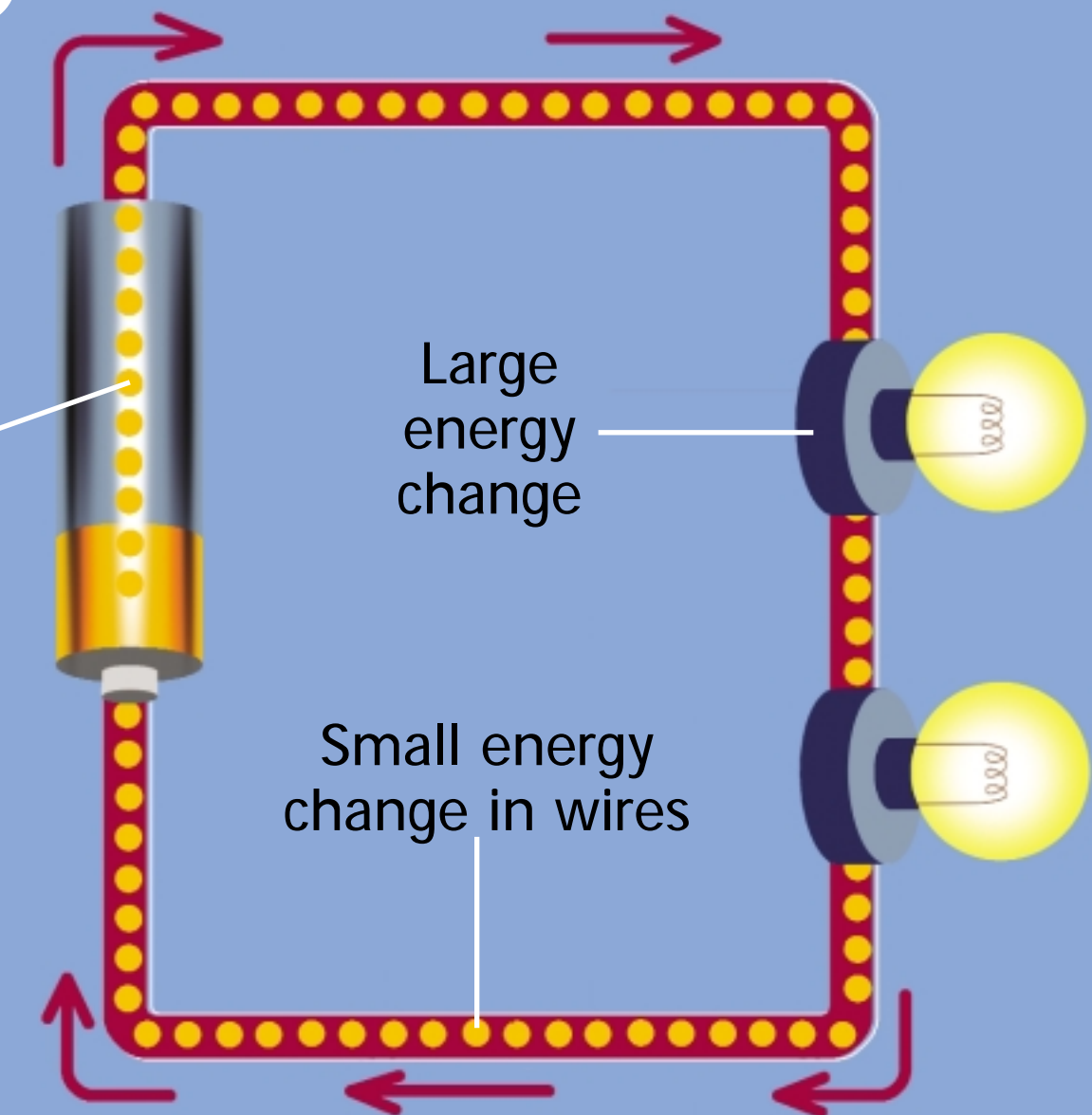
Voltage (Potential difference)

Compare these energy changes

Voltage is similar to height

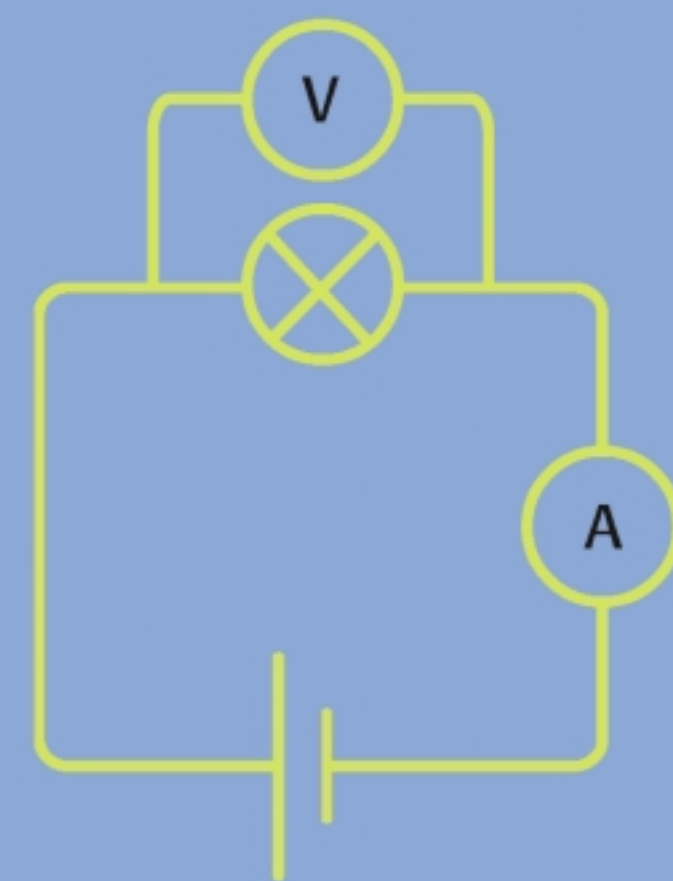
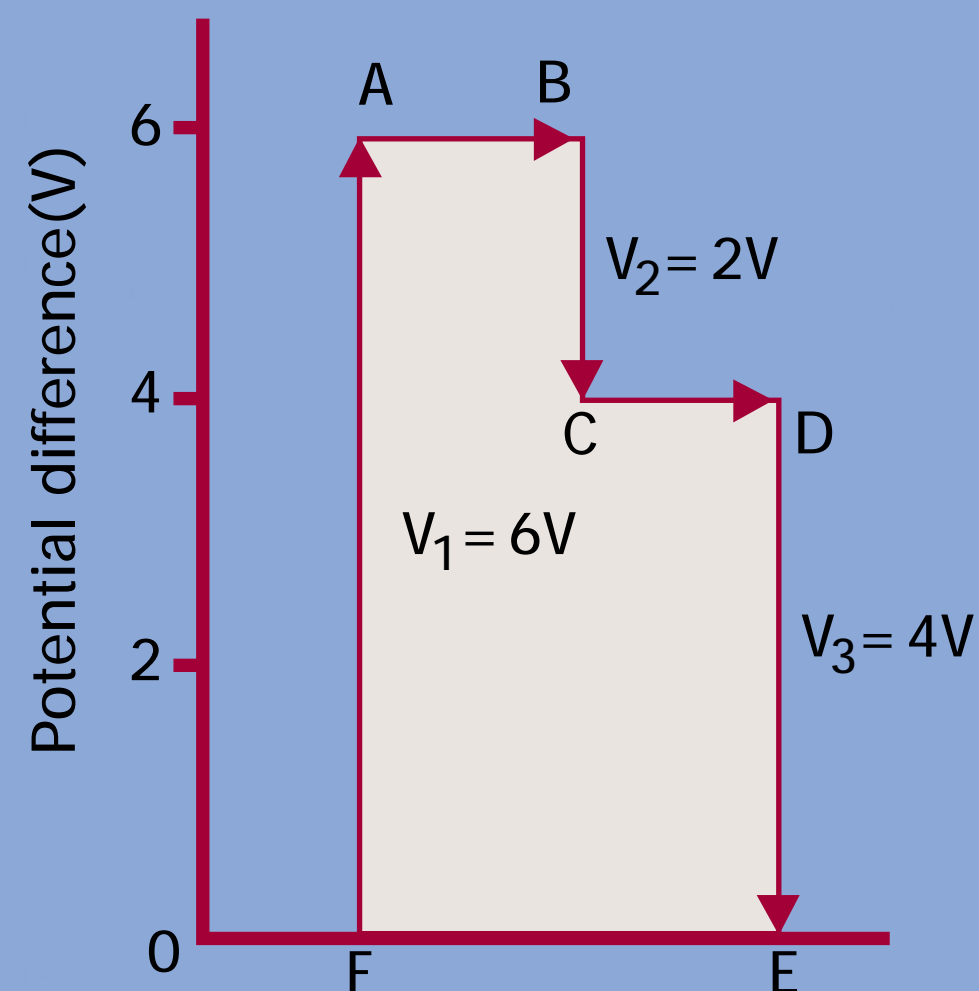
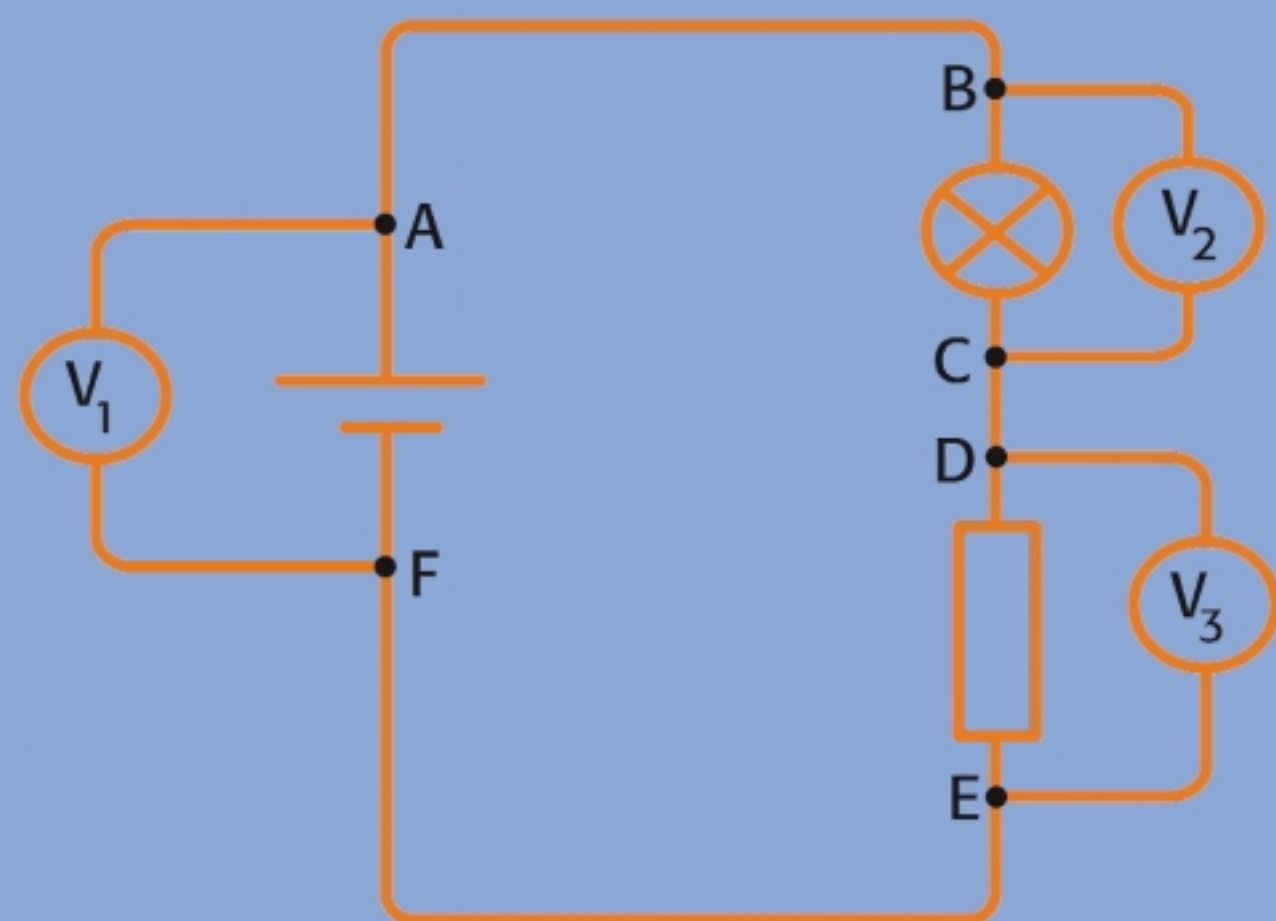


Electrons gain electrical potential energy from battery



Potential difference (voltage) measures the energy changes of the electrons

1 volt means 1 joule of energy per coulomb of charge



The total voltage across the circuit components equals the battery voltage

Voltmeter in parallel
Ammeter in series