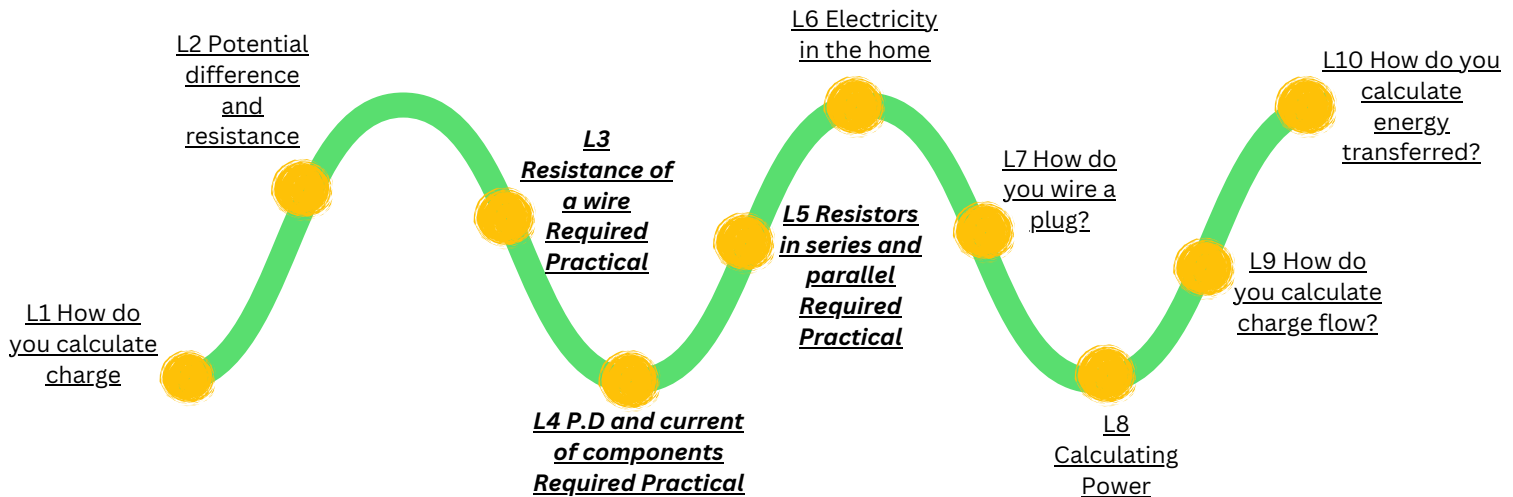


In this unit, you will learn about how the concept of energy, how it is stored, transferred, and conserved in physical systems, and how to calculate energy changes using key equations. It also examines the efficiency and environmental impact of different energy resources, highlighting the importance of reducing energy waste and shifting towards sustainable solutions.



## Key words

- diode
- electric field
- electrons
- ion
- light-dependent resistor (LDR)
- Light-emitting diode (LED)
- neutrons
- Ohm's Law
- parallel
- potential difference
- protons
- resistance
- series
- static electricity
- thermistor
- alternating current (A.C)
- direct current (D.C)
- earth wire
- fuse
- neutral wire
- Oscilloscope
- plug
- step down transformer
- step-up transformer
- charge

## Revision Resources

Sample exam style questions

Cognito Topic 1 Electricity

BBC Electricity

Free Science Lessons

Seneca Learning

Resistance of a Wire Required Practical

Resistors in Series and Parallel Required Practical

IV characteristics Required Practical