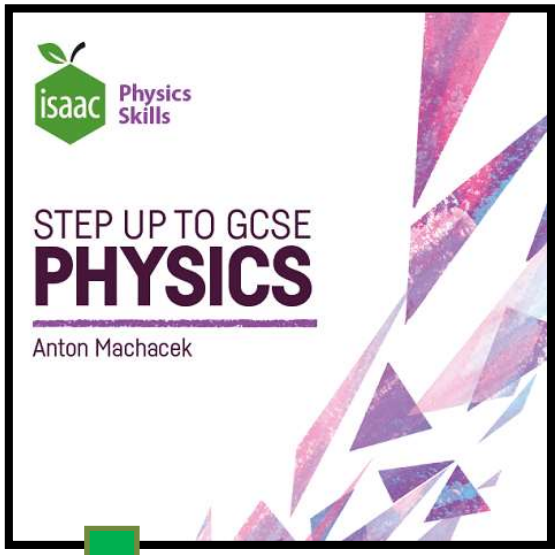
# Practice Questions: Kirchhoff's Laws

Physics. You work it out.

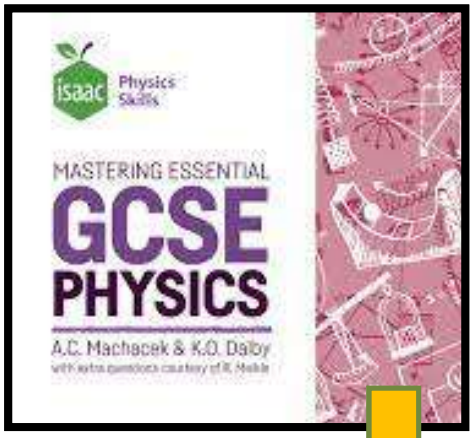



Can you apply Kirchhoff's two laws to either parallel or series circuits?

- Step up to GCSE

Chapter 20: Current in Circuits

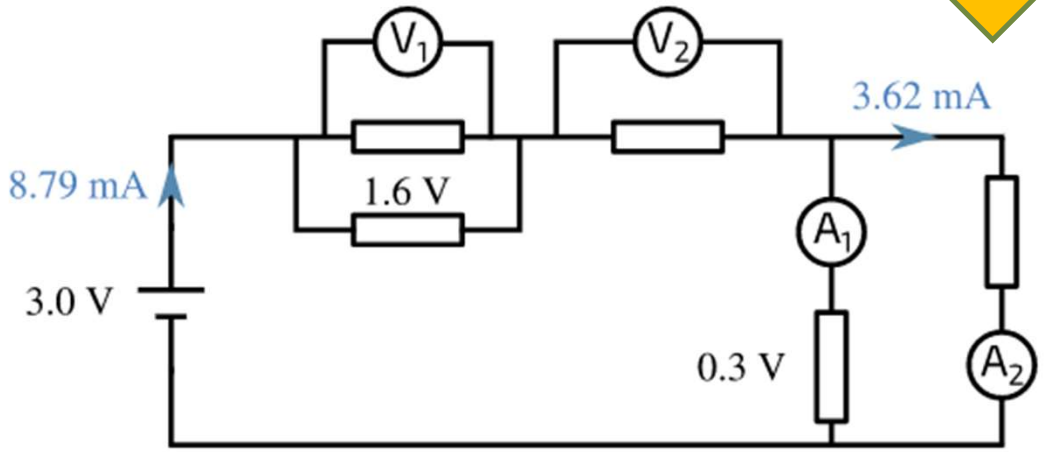
Chapter 23: Sharing Voltage




- Essential GCSE

Chapter 23: Current and Voltage – Circuit Rules

Can you handle combined circuits? *For example…*



# End of Topic Revision

**A Level or equivalent**

**A Level Physics Lessons**

Resources for learning and consolidation

## Remote Revision Lessons: A level / IB...

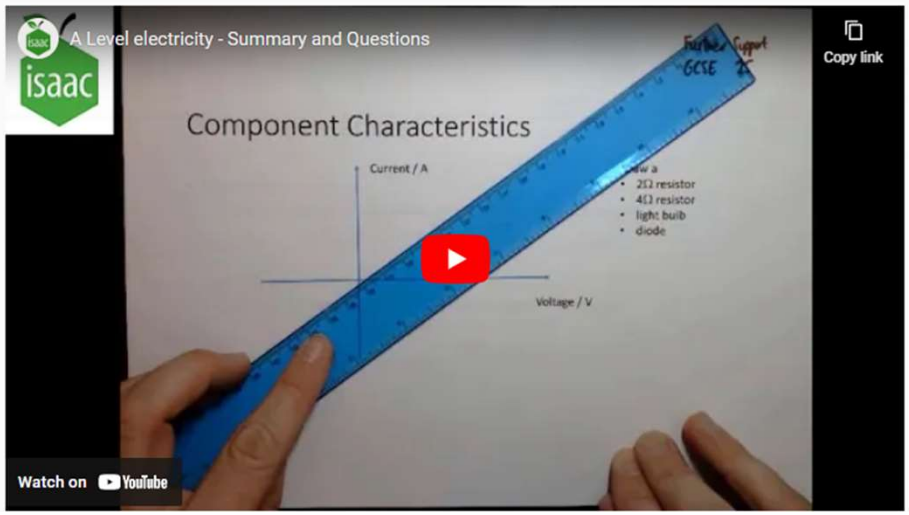
These resources consist of:

- an introductory lesson explaining and revising all key concepts in a topic. Periodically questions are set during the course of the lesson, which appear on screen. Usually a question is worked through as an example first.
- in many cases, a one-side summary reference sheet with the essential equations
- videos giving worked answers to all the questions set during the lesson
- links to relevant **individual concept lessons** for students to follow up areas requiring further revision. These concept lessons comprise introductory explanation videos, sets of practice questions which will be automatically marked, and a 30-minute tutorial video showing how these practice questions can be answered.

If you have any queries following your use of these resources, please do contact us.

### Electricity

#### Video presentation



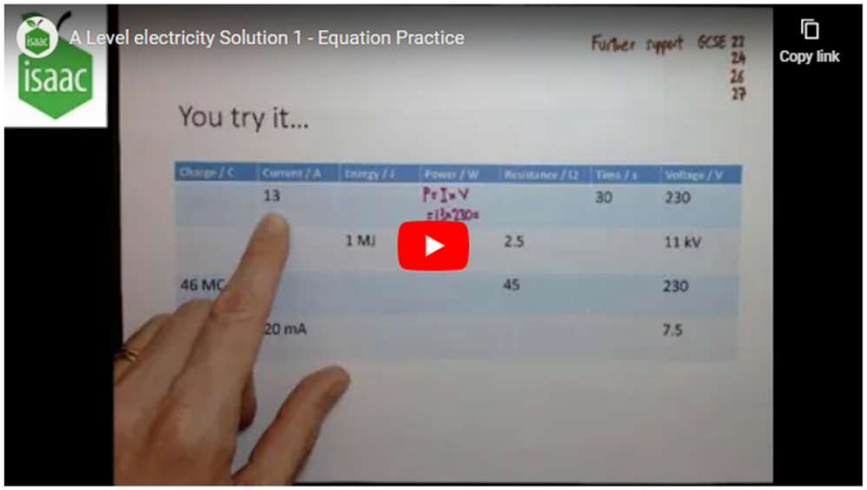

Summary | **Answers** | Q & A | Resources

### Contents

The videos below are worked solutions to the practice questions:

- Equation practice
- Charge carriers
- Resistor combinations
- Resistivity
- Characteristics
- Potential divider
- Potential divider with parallel
- Solved circuit

### Equation practice




**See also:**

Concept lesson 22 - Charge and Current
Concept lesson 24 - Resistance
Concept lesson 26 - Power Calculations
Concept lesson 27 - Resistance and Power