

**GCSE**

Science: (Modular)  
Physics

**Module 23**

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**Physics in Action: Foundation Tier**

Question No.	KEY
One	1 – parallel 2 – real 3 – sharp 4 – focus
Two	1 – the thermistor gives a low output 2 – the heater switches on 3 – the thermistor gives a high output 4 – the heater switches off
Three	1 – relay 2 – LED (light-emitting diode) 3 – NOT gate 4 – AND gate
Four	1 – relay 2 – LDR 3 – LED 4 – buzzer
Five	1 – charge 2 – potential difference 3 – current 4 – resistance
Six	moisture switch thermistor
Seven	J M
Eight	8.1 – C, 8.2 – C, 8.3 – C, 8.4 – A
Nine	9.1 – B, 9.2 – B, 9.3 – D, 9.4 – C
Ten	10.1 – B, 10.2 – D, 10.3 – A, 10.4 – C

**Physics in Action: Higher Tier**

Question No.	KEY
One	1 – charge 2 – potential difference 3 – current 4 – resistance
Two	1 – illuminated 2 – as shown 3 – darkened 4 – reversed
Three	J M
Four	1 is the converging lens and 3 is the flat glass sheet 2 is the diverging lens and 3 is the flat glass sheet
Five	5.1 – C, 5.2 – C, 5.3 – C, 5.4 – A
Six	6.1 – B, 6.2 – B, 6.3 – D, 6.4 – C
Seven	7.1 – B, 7.2 – D, 7.3 – A, 7.4 – C
Eight	8.1 – D, 8.2 – B, 8.3 – A, 8.4 – D
Nine	9.1 – D, 9.2 – B, 9.3 – A, 9.4 – C
Ten	10.1 – D, 10.2 – C, 10.3 – D, 10.4 – B