

**GCSE**

**Physics (Modular)**

**Module 23**

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**Physics in Action: Foundation Tier**

Question No.	KEY
One	1 – tilt switch 2 – LDR 3 – magnetic switch 4 – thermistor
Two	1 – relay 2 – variable resistor 3 – input sensor 4 – processor
Three	1 – AND gates 2 – pressure switches 3 – LEDs 4 – buzzers
Four	1 – LED 2 – capacitor 3 – relay 4 – NOT gate
Five	1 – charge 2 – potential difference (voltage) 3 – resistance 4 – current
Six	<b>Q</b> <b>T</b>
Seven	lines W and Y are correct line X is the only line which is wrong
Eight	8.1 – D, 8.2 – A, 8.3 – C, 8.4 – C
Nine	9.1 – D, 9.2 – A, 9.3 – D, 9.4 – D
Ten	10.1 – C, 10.2 – B, 10.3 – B, 10.4 – A

**Physics in Action: Higher Tier**

Question No.	KEY
One	1 – charge 2 – potential difference (voltage) 3 – resistance 4 – current
Two	1 – relay 2 – buffer 3 – diode 4 – transistor
Three	lines W and Y are correct line X is the only line which is wrong
Four	P is drawn to represent the object the image is smaller than the object
Five	5.1 – D, 5.2 – A, 5.3 – C, 5.4 – C
Six	6.1 – D, 6.2 – A, 6.3 – D, 6.4 – D
Seven	7.1 – C, 7.2 – B, 7.3 – B, 7.4 – A
Eight	8.1 – C, 8.2 – D, 8.3 – C, 8.4 – A
Nine	9.1 – A, 9.2 – B, 9.3 – C, 9.4 – A
Ten	10.1 – B, 10.2 – A, 10.3 – A, 10.4 – C