

Electrical Quantities

Question Paper

Course	CIE IGCSE Physics
Section	4. Electricity & Magnetism
Topic	Electrical Quantities
Difficulty	Easy

Time Allowed 10

Score /5

Percentage /100

Question 1

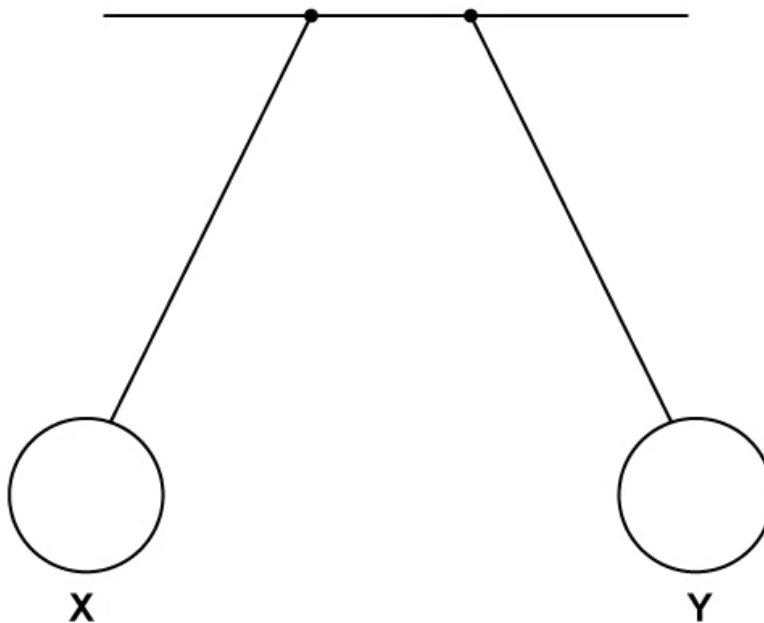
What is the unit of electromotive force?

- A. Joule
- B. Volt
- C. Ampere
- D. Watt

[1 mark]

Question 2

The diagram shows two light, silver-coated balls labelled **X** and **Y** hanging from threads near to each other.



Which line identifies the possible charges on **X** and **Y**?

	X	Y
A	neutral	neutral
B	negative	negative
C	negative	positive
D	positive	negative

[1 mark]

Question 3**Extended tier only**

What is the correct unit of charge?

- A.** Ampere
- B.** Coulomb
- C.** Newton
- D.** Volt

[1 mark]

Question 4

Which pair of quantities have the same units?

- A.** Current and potential difference
- B.** Current and resistance
- C.** Electromotive force and potential difference
- D.** Electromotive force and resistance

[1 mark]

Question 5

Which line correctly states the equation for **electrical energy**?

A. $E = IR$

B. $E = mv^2$

C. $E = \rho gh$

D. $E = VIt$

[1 mark]