

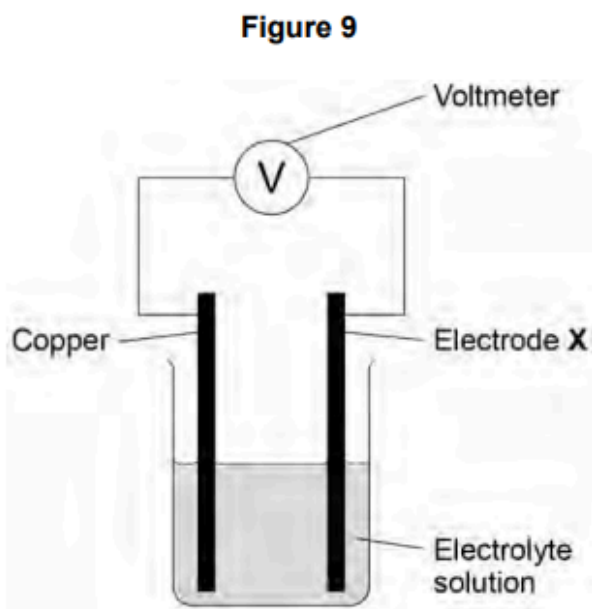
(Cells and batteries (chemical cells, rechargeable and non-rechargeable))

Q1. (2019)

This question is about chemical cells.

A student investigated the voltage produced by different chemical cells.

Figure 9 shows the apparatus.



This is the method used.

1. Use cobalt as electrode **X**.
2. Record the cell voltage.
3. Repeat steps 1 and 2 using different metals as electrode **X**.

Suggest **two** control variables used in this investigation.

[2 marks]

- 1 _____

- 2 _____

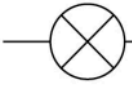
Q2. (2022)

Zinc and copper can be used with another substance to produce electricity.

Complete **Figure 7** to show how zinc, copper and another substance can be used to light a lamp.

Label:

- zinc
- copper
- the other substance used.

The symbol  represents the lamp.

[3 marks]

Figure 7

