

**ENTRY LEVEL CERTIFICATE**

**SCIENCE**

Test C11 CSI Plus

**R591 C11**

Candidates answer on the question paper

**OCR Supplied Materials:**

None

**Other Materials Required:**

- None

**Duration:** 10 minutes

Candidate Forename		Candidate Surname	
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Centre Number						Candidate Number				
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**INSTRUCTIONS TO CANDIDATES**

- Write your name, Centre Number and Candidate Number in the boxes above. Please write clearly and in capital letters.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Answer **all** the questions.

**INFORMATION FOR CANDIDATES**

- The number of marks for each question is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is **15**.
- This document consists of **4** pages. Any blank pages are indicated.

For Teacher's Use	
<b>Raw Mark/</b> 15	
<b>Points/</b> 2	

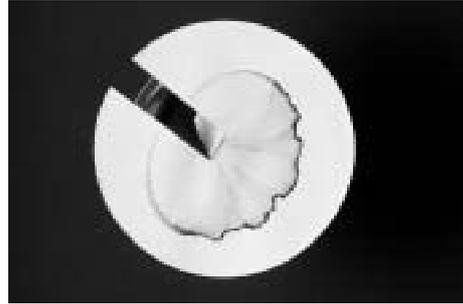
Answer **all** questions.

1 Bank cheques can be altered by criminals.

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Numbers and words can be added to make it worth more



This method shows the colours in the ink used to write the cheque.

(a) What is this method for testing inks called?

Put a tick (✓) in the correct box.

chromatography	<input type="checkbox"/>
crystallisation	<input type="checkbox"/>
evaporation	<input type="checkbox"/>
filtration	<input type="checkbox"/>

[1]

(b) Finish these sentences to describe how this method works.

Choose the best **two** words from this list.

**dissolve      evaporate      further      harder**  
**less      melt      solidify**

Coloured dyes in the ink move because they .....

More soluble dyes move .....

[2]

(c) How would this method show if a cheque had been altered?

.....

..... [1]

2 Fingerprints are often left at a crime scene.

(a) Fingerprints can be sorted into three types.

Draw a straight line from each **fingerprint** to its correct **type**.

**fingerprint**



**type**

arch

loop

whorl

[2]

(b) Finish the sentences by choosing the best words from this list.

**dust      fats      oils      nails      wipe**

Fingerprints get onto surfaces when ..... from the skin are left.

Special powder can be used to ..... for fingerprints.

[2]

(c) What two things must you do to make a record of your fingerprints?

Put ticks (✓) in the boxes next to the **two** correct statements.

dip your finger into salt crystals

push your finger onto an ink pad

roll your finger onto white paper

wrap filter paper around your finger

[2]

(d) At a crime scene, the police take fingerprints from innocent people.

Suggest why.

..... [1]

3 Amy is a crime scene investigator.  
She is collecting soil from a shoe.



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The stages are shown below. They are in the wrong order.

- A Amy puts on her gloves.
- B Amy puts the sample in a bag and labels it.
- C Amy scrapes the soil off the shoe.
- D Amy puts a clear sheet on a table.

Fill in the boxes to show the correct order. One has been done for you.

A			
---	--	--	--

[2]

4 The police find some blood at a crime scene.



They test the blood and find it is blood group A.  
They also get a DNA test done on the blood.

Why is having DNA evidence better than just knowing the blood group?

.....

..... [2]



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