



IBMYP Chemistry Sample Paper 2



WE GOT CHEMISTRY

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Group 5: Chemistry On-Screen Examination

Total Marks: 100

Instructions

- The on-screen examination has not yet started.
- Your time will begin once you have clicked the Start button below. Do not click Start until instructed to do so.
- Before the examination begins you are given 5 minutes to become familiar with its structure. Please navigate around the examination, taking note of the length of each task and question. You have 2 hours to complete the examination.
- There are 10 separate questions in this examination. Each question may have sub-parts. Answer all the questions in the response boxes provided. The maximum mark for this examination is 100 marks.
- As you progress through the questions, your answers are automatically saved.
- When 2 hours has ended, you will no longer be able to answer any questions.

Question 1: 4 marks

1. a) Identify the element with the following electron configuration: $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6$. (1 mark)

Answer: Element: Argon (Ar)

b) Complete the following table by providing the group and period for each element: (2 marks)

Element	Group	Period
Calcium		
Fluorine		

Answer:

Element	Group	Period
Calcium	Group 2	Period 4
Fluorine	Group 17	Period 2

c) The two elements shown below are Sodium (left) and Silver (right). Match the elements in Column A with the symbols in Column B. (1 mark)



(Sodium)

(Silver)

Column A	Column B
Sodium	Na
Silver	Ag

Answer:

Column A	Column B
Sodium	Na
Silver	Ag

Question 2: 11 marks

2. This question is about elements and materials

a. Choose the correct option for the question below. (1 marks)

i. Which of the following elements is a metalloid?

i. Carbon

ii. Oxygen

iii. Silicon

iv. Sodium

Answer: iii) Silicon

b. The following information is given to a student:



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