

Chemistry
UNIT: 4CH1
PAPER: 2C

Diagram Booklet

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

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Question 1(a)

argon

carbon dioxide

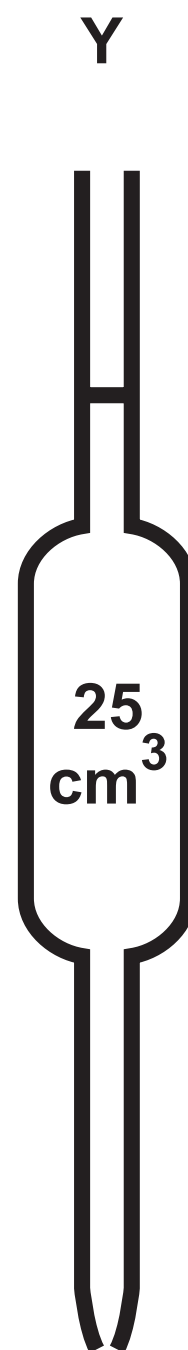
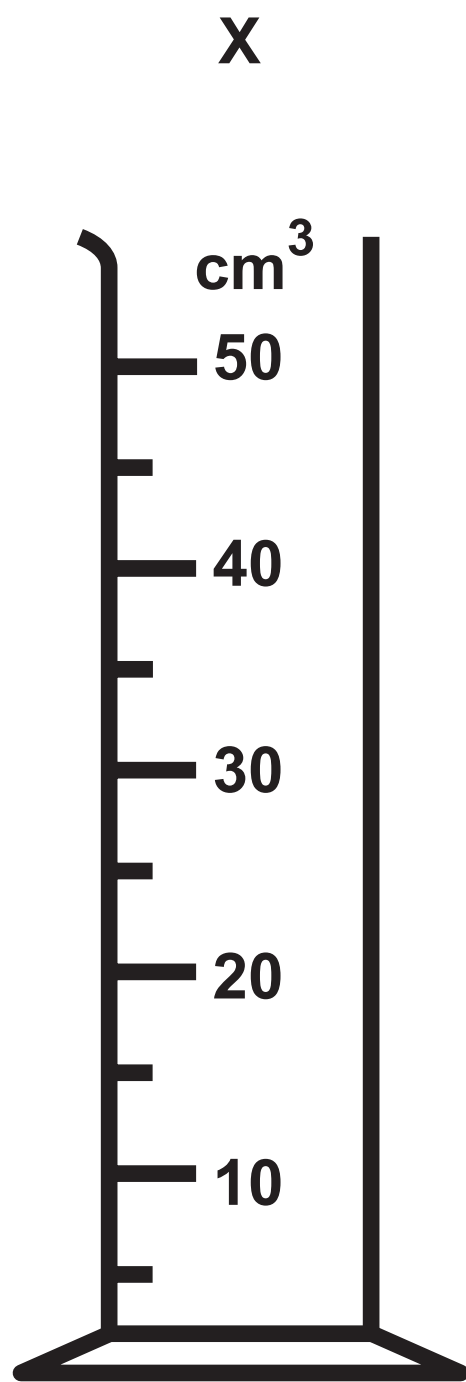
hydrogen

nitrogen

oxygen

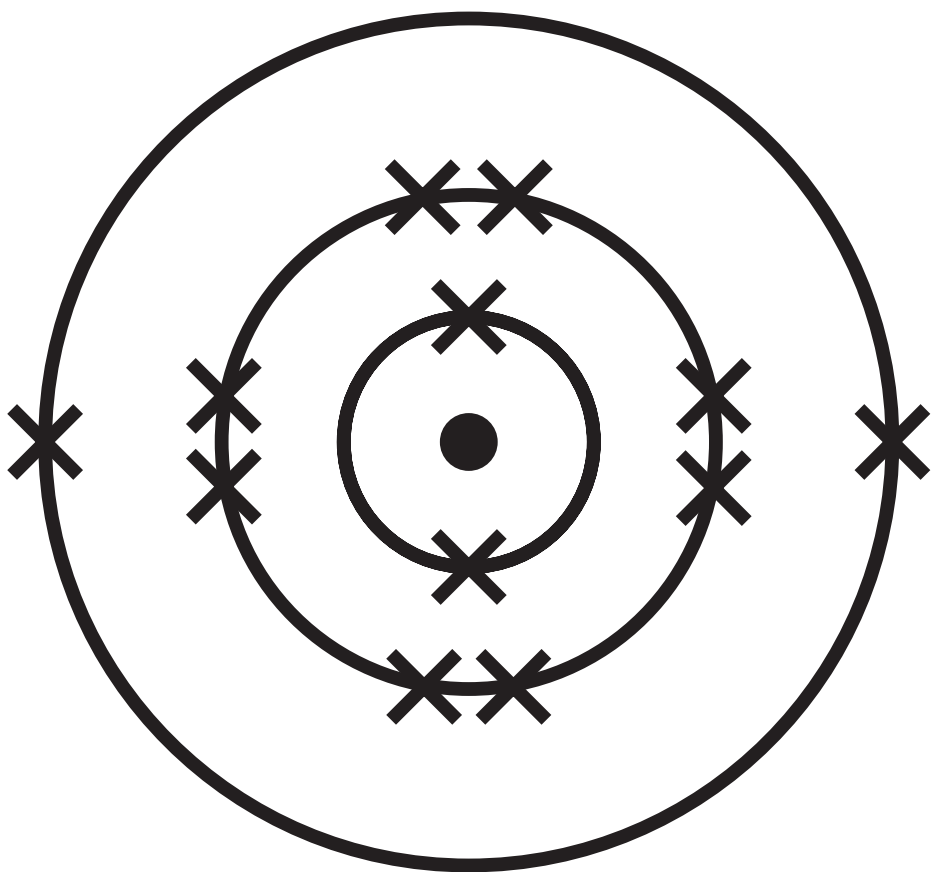
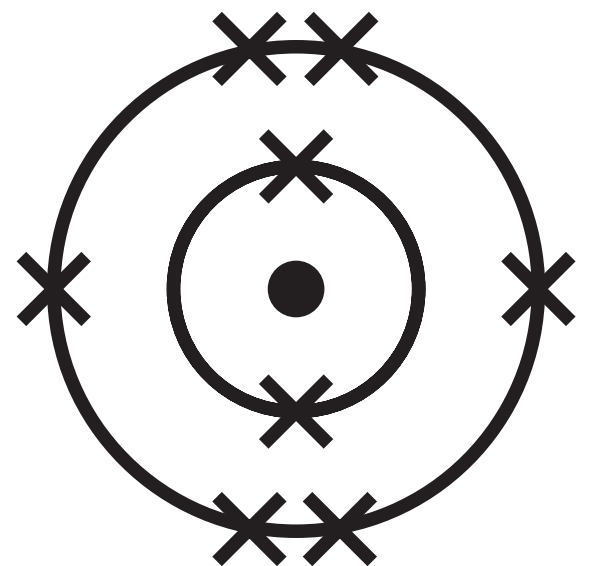
water vapour

Question 2(a)



Question 3(c)

	Electronic configuration
fluorine	2.7
chlorine	2.8.7

Question 4(b)**magnesium atom****oxygen atom**

Question 5(b)



Question 5(b)



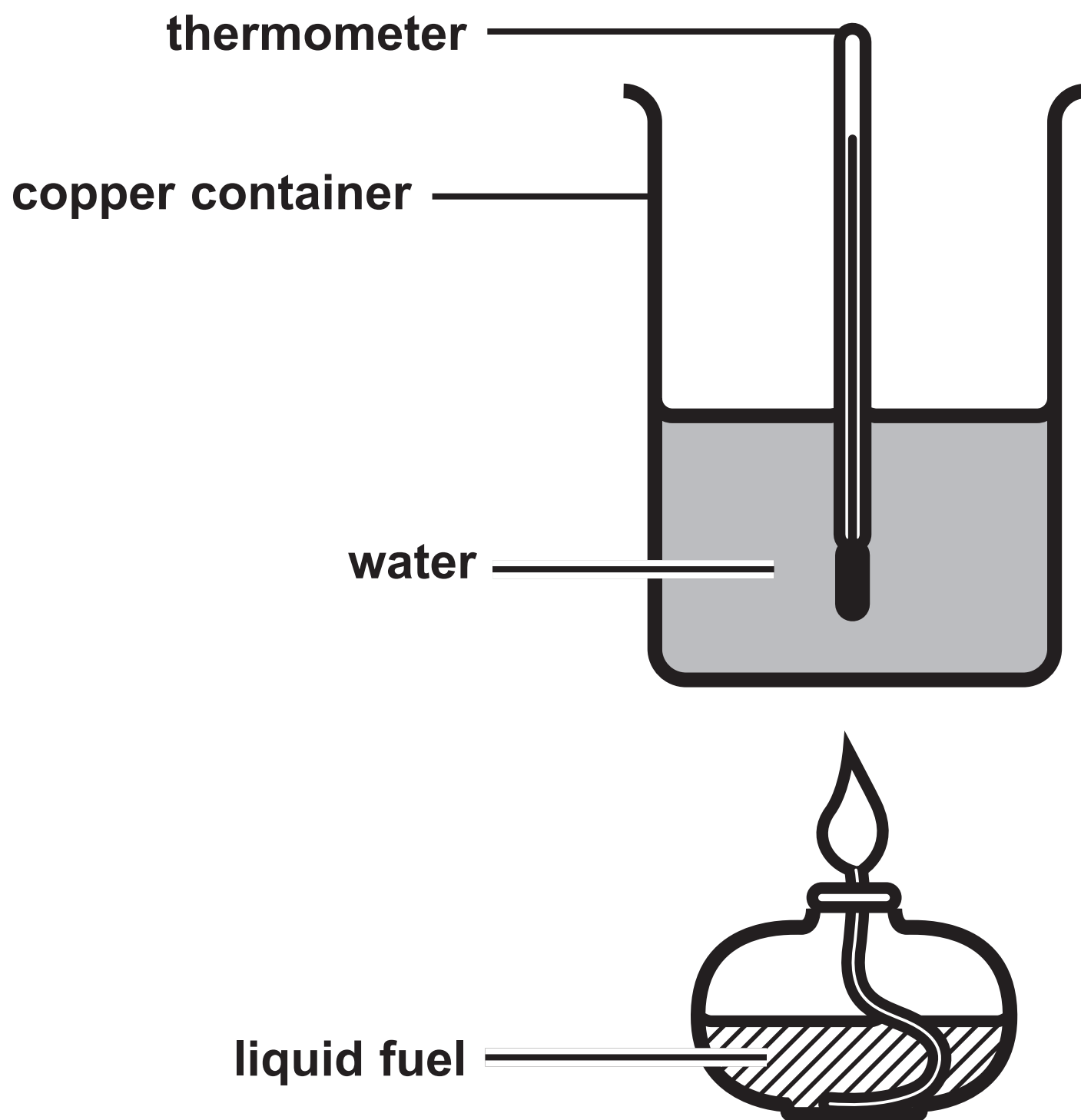
Question 5(d)(ii)

This image shows a completely blank white rectangular area enclosed by a thin black border. There are no markings, text, or illustrations present.

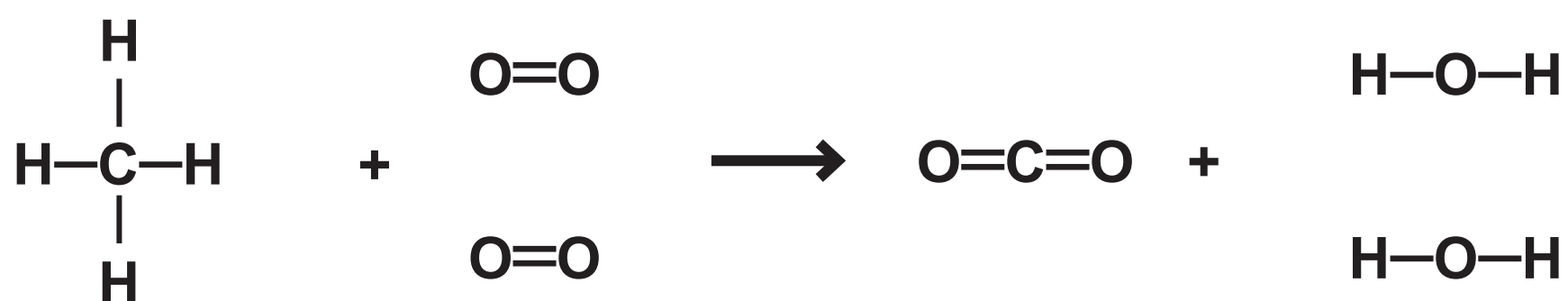
Question 5(d)(ii)

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Question 7



Question 7(d)



Bond	O=O	C=O	O—H
Bond energy in kJ/mol	498	805	463

Question 7(d)(ii)

Energy



Question 7(d)(ii)

Energy

