

Chemistry
UNIT: 4CH1
PAPER: 2C

Tuesday 13 June 2023 – Morning

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.

Contents

Page

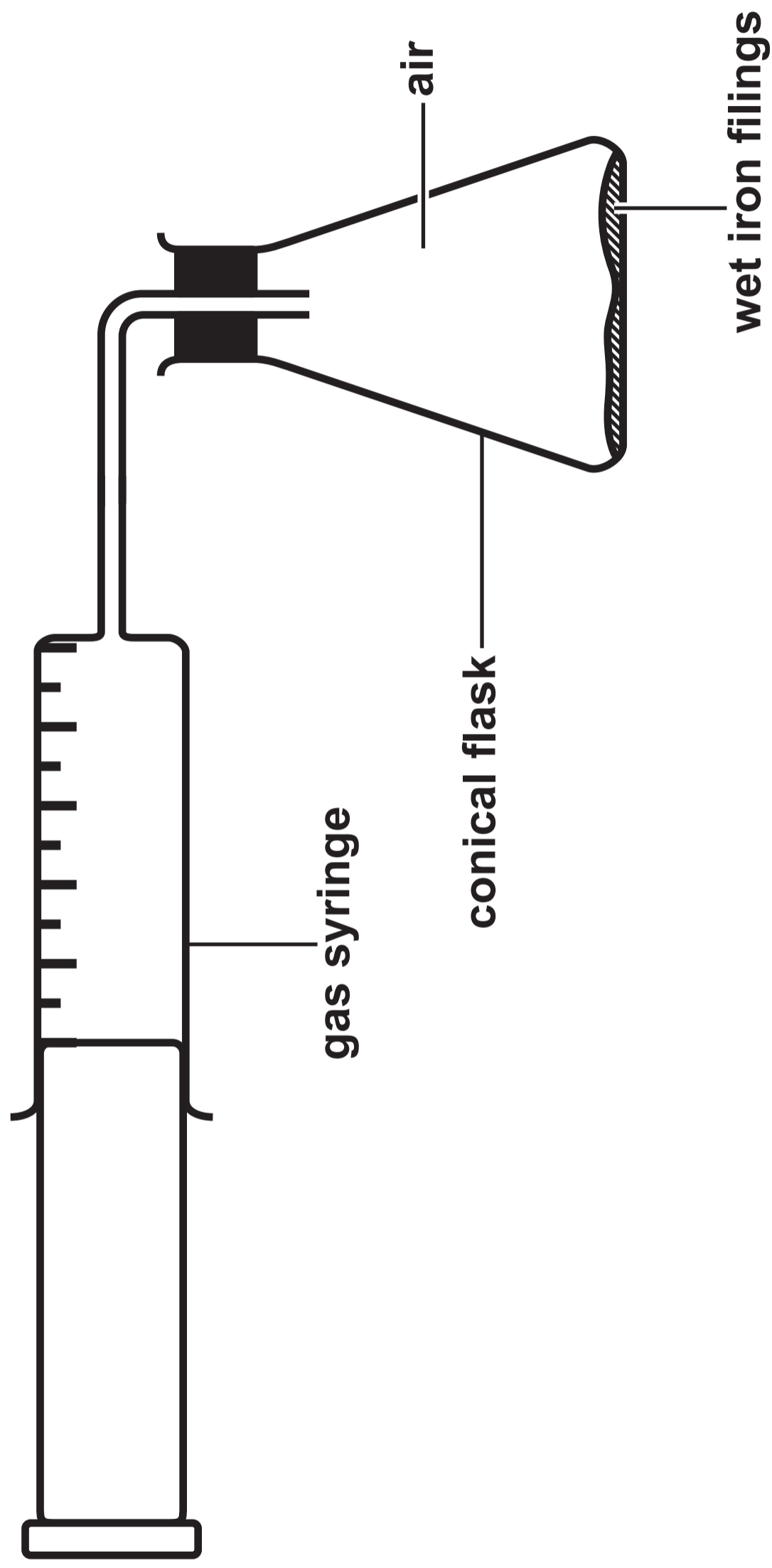
4	Question 2(c)
5	Question 3(a)
6	Question 3(b)
7	Question 5
8	Question 5(d)(ii)
9	Question 6
10	Question 6(b)

Spare Copies

11	Question 3(a)
12	Question 3(b)
13	Question 5(d)(ii)

Question 2(c)

4

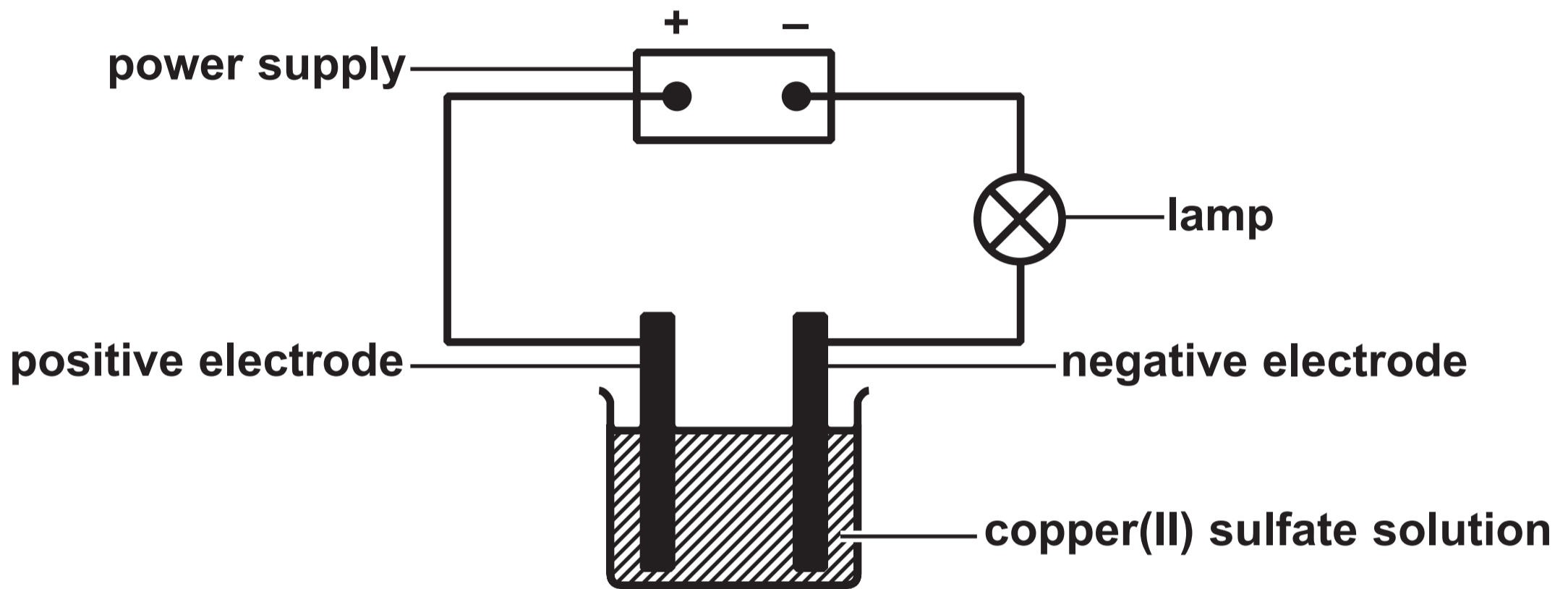


Question 3(a)

Question 3(b)

	Hydration	Fermentation
Reagents	ethene and steam	aqueous glucose
Catalyst		enzymes in yeast
Temperature in °C	300	
Pressure in atmospheres		1
Rate of process	fast	slow
Purity of product	pure	impure

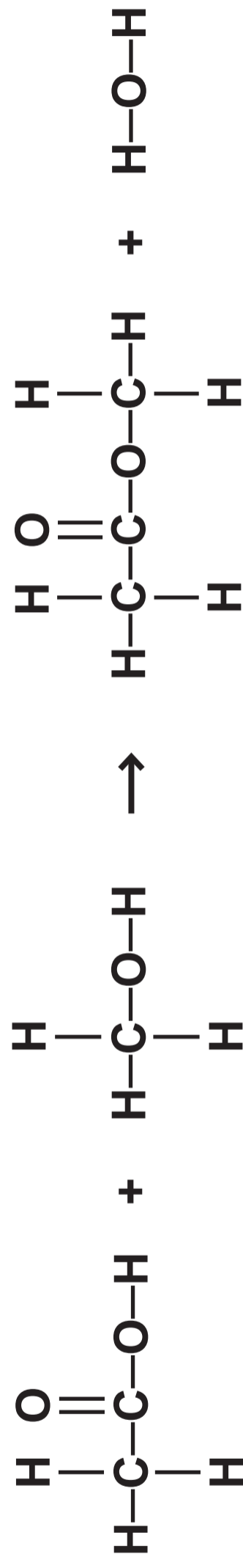
Question 5



Question 5(d)(ii)



Question 6



Question 6(b)

Bond	C—H	C—C	C—O	C=O	O—H
Number of bonds in reactants	6	1	2	1	2
Number of bonds in products	6	1	2	1	2

Question 3(a)



Question 3(b)

	Hydration	Fermentation
Reagents	ethene and steam	aqueous glucose
Catalyst		enzymes in yeast
Temperature in °C	300	
Pressure in atmospheres		1
Rate of process	fast	slow
Purity of product	pure	impure

Question 5(d)(ii)

