

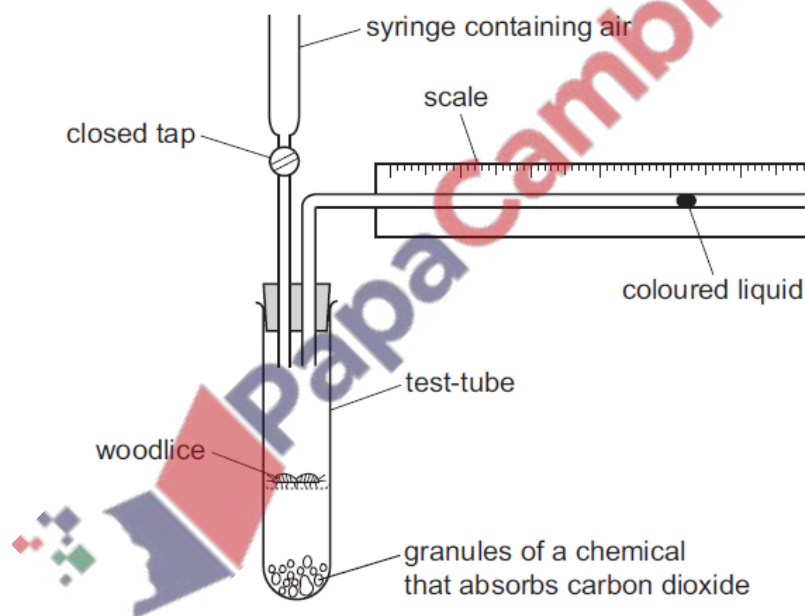
**1. June/2022/Paper\_12/No.23**

What is the word equation for anaerobic respiration in yeast?

- A glucose → alcohol
- B glucose → alcohol + carbon dioxide
- C glucose → lactic acid
- D glucose → lactic acid + carbon dioxide

**2. June/2022/Paper\_12/No.24**

A student used this apparatus to investigate the rate of aerobic respiration in woodlice.



Which statement describes and explains the movement of the coloured liquid when the woodlice are respiring?

- A The coloured liquid moves towards the test-tube because the woodlice are using carbon dioxide.
- B The coloured liquid moves towards the test-tube because the woodlice are using oxygen.
- C The coloured liquid moves away from the test-tube because the woodlice are using carbon dioxide.
- D The coloured liquid moves away from the test-tube because the woodlice are using oxygen.

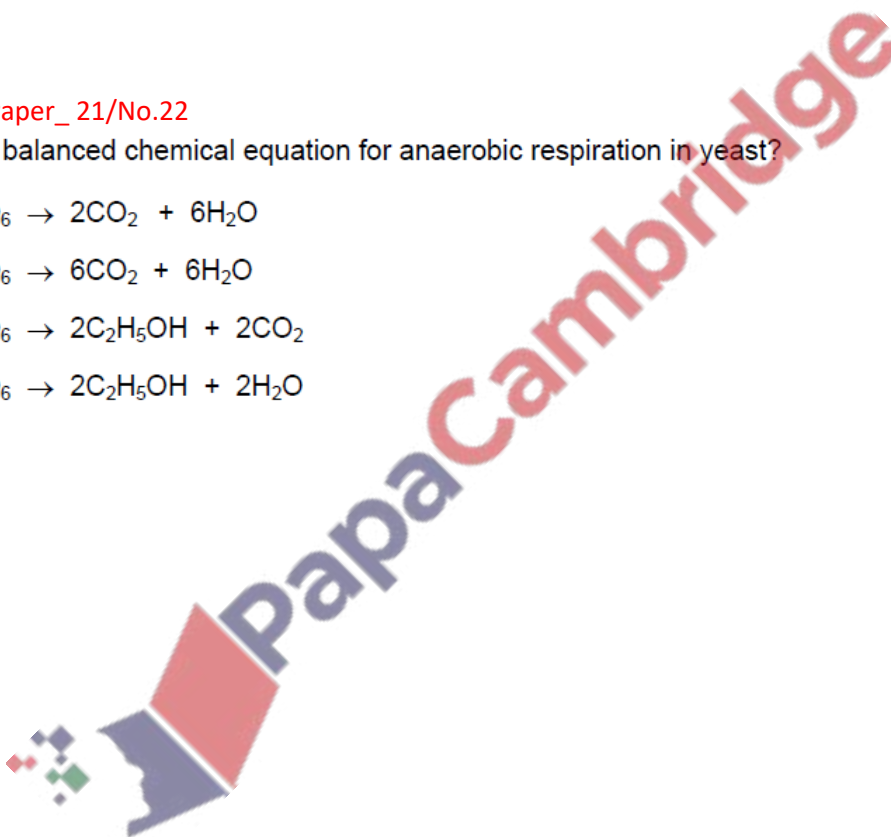
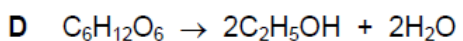
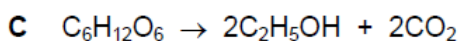
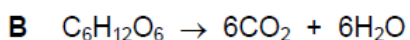
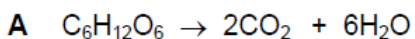
3. June/2022/Paper\_13/No.23

Which substances are used in aerobic respiration?

	glucose	oxygen	water	
<b>A</b>	x	✓	✓	key
<b>B</b>	✓	✓	x	✓ = yes
<b>C</b>	✓	x	✓	x = no
<b>D</b>	x	✓	✓	

4. June/2022/Paper\_21/No.22

What is the balanced chemical equation for anaerobic respiration in yeast?



5. June/2022/Paper\_23/No.21

Carbon dioxide is produced by aerobic respiration.

How many molecules of carbon dioxide are produced from the aerobic respiration of three molecules of glucose?

**A** 3

**B** 6

**C** 12

**D** 18

6. June/2022/Paper\_31/No.7(a)

- (a) A scientist measured the mass of carbon dioxide produced by anaerobic respiration in yeast cells for 1200 minutes.

Fig. 7.1 shows the results.

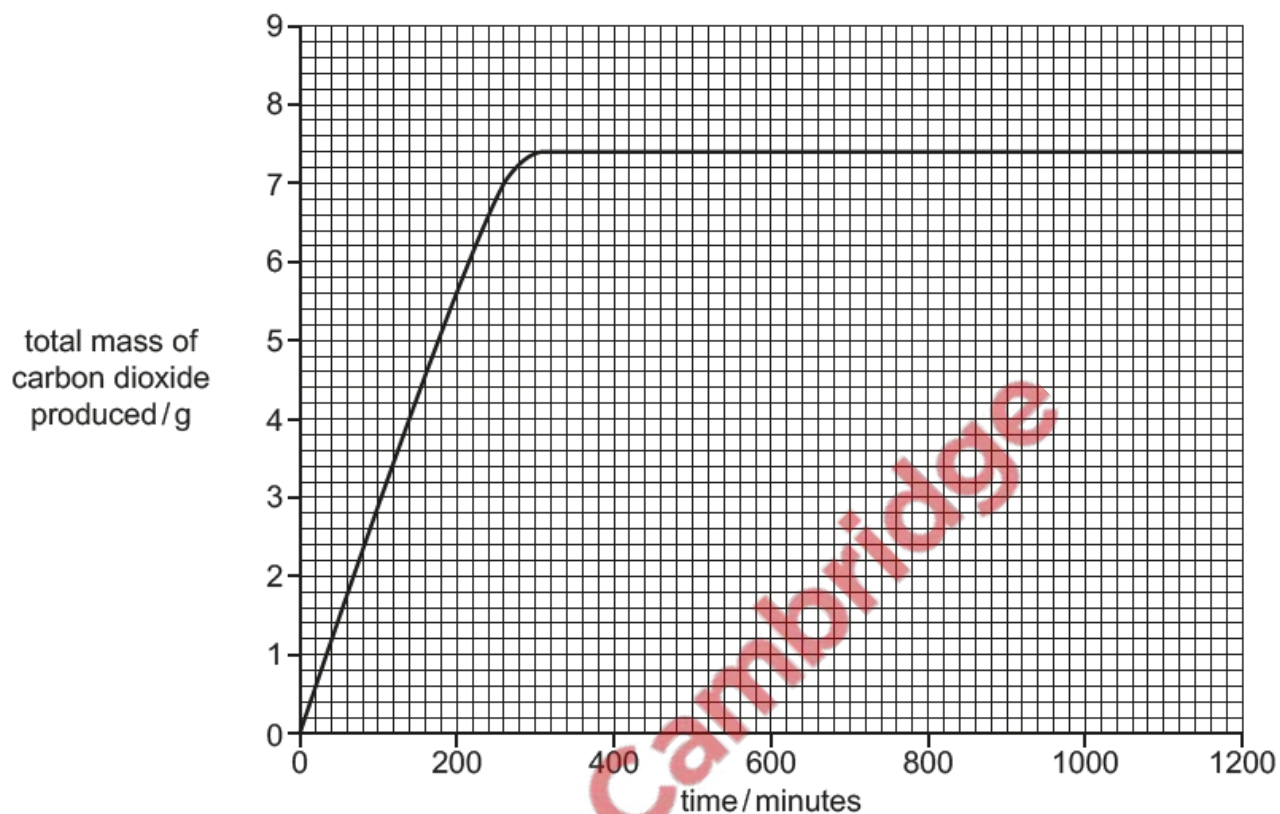


Fig. 7.1

- (i) Complete the sentences to describe the results shown in Fig. 7.1.

The yeast cells produced a total of ..... g of carbon dioxide during 1200 minutes.

The yeast cells stopped producing carbon dioxide at ..... minutes.

[2]

(ii) The investigation was repeated with boiled yeast cells.

Predict the effect on the mass of carbon dioxide produced **and** explain your prediction.

.....

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.....

..... [2]

(iii) State the name of **one other** product of anaerobic respiration in yeast cells.

..... [1]

