

AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Aerobic Respiration Part 2 Questions

Name:

M M E

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Total Marks: /18

Q1: Define anaerobic respiration.

(2 marks)

Q2: i) What by-product does anaerobic respiration in yeast produce?

(1 mark)

ii) What by-product does anaerobic respiration in animals produce?

(1 mark)

Q3: Give the word equation for anaerobic respiration in animals.

(2 marks)

Q4: When does anaerobic respiration take over from aerobic respiration in humans?

(1 mark)

Q5: Why does lactic acid build up occur?

(1 mark)

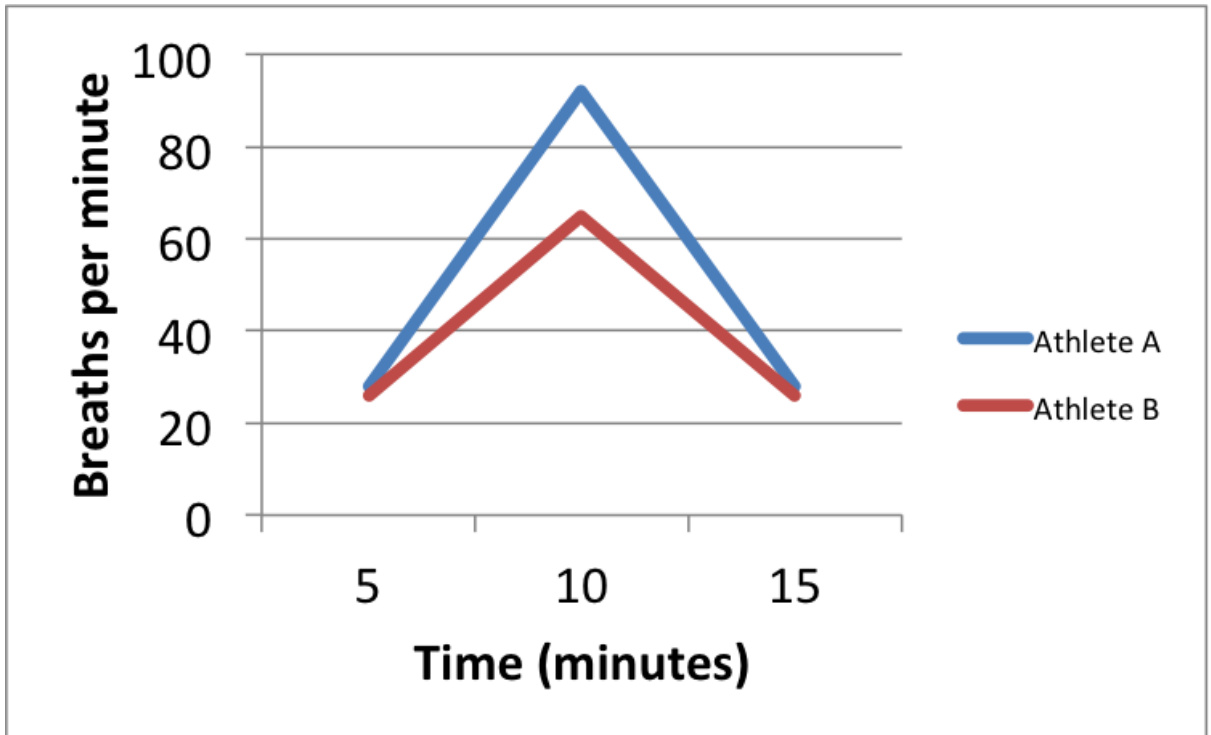
Q6: i) What is oxygen debt?

(1 mark)

ii) What is the effect of a large lactic acid build up after a race?

(1 mark)

Q7: i) Using the graph below, which athlete has a better fitness level?



_____ (1 mark)

ii) Explain your answer to part i.

(1 mark)

Q8: State the word equation for anaerobic respiration in microorganisms.

(2 marks)

Q9: What effect is seen in the muscles when there is a build up of lactic acid?

_____ (1 mark)

Q10: Give 2 examples when manufacturers use anaerobic respiration.

1. _____
2. _____

(2 marks)