

Paper Reference(s) 9BN0/02

Pearson Edexcel Level 3 GCE

Biology A (Salters Nuffield)

Advanced

PAPER 2: Energy, Exercise and Coordination

Friday 13 June 2025 – Morning

Time: 2 hours

Question Paper

Total Marks

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

Surname					
Other names					
Centre Number					
Candidate Number					

**THIS DOCUMENT MUST BE
RETURNED TO PEARSON AT THE END
OF THE EXAMINATION**

YOU MUST HAVE

**Scientific calculator, ruler,
writing and drawing equipment**

YOU WILL BE GIVEN

Diagram Booklet

INSTRUCTIONS

Answer ALL questions.

**Show your working in any calculation
questions and include units in your
answer where appropriate.**

(continued on the next page)

Turn over

INSTRUCTIONS continued.

Answer the questions in the spaces provided in this Question Paper or in the separate Diagram Booklet – there may be more space than you need.

INFORMATION

The total mark for this paper is 100.

The marks for EACH question are shown in brackets – use this as a guide as to how much time to spend on each question.

You may use a scientific calculator.

(continued on the next page)

INFORMATION continued.

In question(s) marked with an *ASTERISK* (*), marks will be awarded for your ability to structure your answer logically showing how the points that you make are related or follow on from each other where appropriate.

There may be spare copies of some diagrams.

ADVICE

Read each question carefully before you start to answer it.

Try to answer every question.

Check your answers if you have time at the end.

Answer ALL questions. Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ☐. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☐.

1(a) continued.

- (i) Calculate the magnification of this diagram.
(2 marks)**

Answer _____

(continued on the next page)

Turn over

1(a) continued.

(ii) A student viewed the diagram and stated that the cell was undergoing mitosis.

Give TWO reasons why this statement is correct.

(2 marks)

Answer space begins and continues on the next 2 pages.

Turn over

1(a)(ii) continued.

2 _____

(continued on the next page)

