

# Exam Practice Guide

## Unit 2 Biology Examination 2

### Key Features:

- ✓ 95 original examination style questions on all examinable topics.
- ✓ Full solutions and a marking guide to all questions.
- ✓ Separated into key topic areas within each Area of Study, enabling students to master one topic at a time.
- ✓ Written by VCE assessors who mark the VCAA examinations.
- ✓ Excellent resource for examination practice.

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***Helping VCE students be the best they can be.***

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SAMPLE

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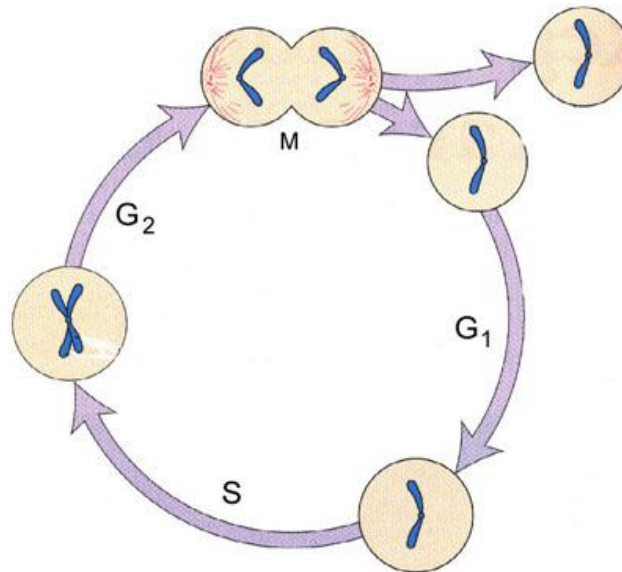
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**Unit 2 – How is continuity of life maintained?****AREA OF STUDY 1: How does reproduction maintain the continuity of life?****Topic 1 – The cell cycle****Question 1 (4 marks)**

Identify what is happening during each stage of the cell cycle shown below



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4 marks

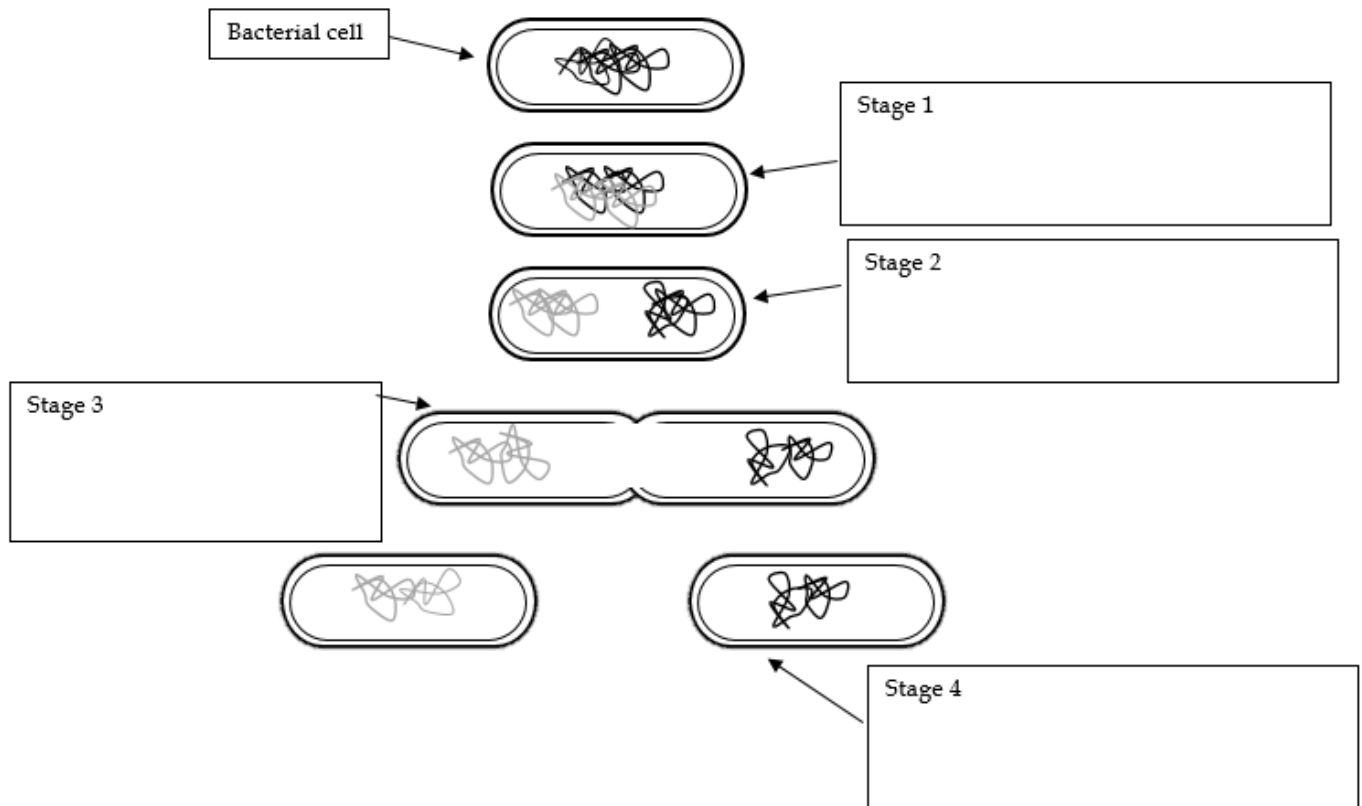
**Question 2**

Which of the following best describes the meaning of binary fission?

- A. Division in half
- B. Rapid cellular division
- C. Prokaryotic division
- D. Exponential division

**Question 3**

In order for prokaryotes to successfully reproduce, binary fission must occur. Briefly outline each stage of binary fission by filling in the corresponding boxes on the diagram below.



4 marks

**Question 4**

Which of the following statements about binary fission is correct?

- A. Each cell inherits the complete original genome
- B. The original cell undergoes mitosis in order to produce new genetic material
- C. The cell cycle does not occur prior to binary fission
- D. After the final cell division the new cells are haploid