



MOUNT ANNAN HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

FACULTY	Science	COURSE	Biology	YEAR	11
TASK NUMBER	1	TASK NAME	Practical Task		
TASK WEIGHT	30%	MARKS AWARDED	40		
DATE OF NOTIFICATION	Week 3				
DUE DATE	Week 7 Wednesday 13th March 2023				

TASK DESCRIPTION / INSTRUCTIONS

Inquiry question: What distinguishes one cell from another?

Components of the Task:

1. Completion of the production of a wet mount slide and data collection
2. Completion of questions related to the data

Test Duration: 50 minutes

Total marks: 40 marks

Students will work individually in the classroom, addressing questions pertaining to first and secondary source data collected.

A marking criteria and extensive feedback will be available to all students at the completion of the examination.

TASK SUBMISSION INSTRUCTIONS

Students will be demonstrating their understanding of the **Inquiry Question:** What distinguishes one cell from another? They will utilise their Working Scientifically Skills to complete the collection of data and test questions. The task is completed in class on **Wednesday 13th March 2024**.

Assessment Policy- This is a brief outline, you must check your assessment booklet for further details. Assessment task must be submitted on the due date.

- **Failure to complete an assessment task will result in a zero mark.**
- Late submission of assessment items **will be awarded zero** unless there are very extenuating circumstances (Doctor's Certificate, etc.)
- Students found guilty of malpractice will be awarded a zero mark. If a piece of work is incomplete at the time of submission, it should be submitted as is, and you will be given a mark on what has been completed.
See your teacher or the Head Teacher of Science on the **first day you return** back to school



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MARKING CRITERIA

Performance Descriptors	Marks/Grade
Student can: <ul style="list-style-type: none"> ● Accurately draw, label and annotate scientific diagrams ● Accurately calculate the size of cells and draw to scale ● Demonstrate an extensive understanding of the role of microscopes in the study of cells ● Provide thorough analysis of the limitations of an investigation and provide detailed solutions ● Organise data in the appropriate format ● Distinguish between magnification and resolution related to samples ● Compare and contrast between prokaryotic and eukaryotic cells 	A 35-40
Student can: <ul style="list-style-type: none"> ● Accurately draw, label and/or annotate scientific diagrams ● Accurately draw to scale ● Demonstrate a thorough understanding of the role of microscopes in the study of cells ● Provide an analysis of the limitations of an investigation and provide some detailed solutions ● Organise data in the appropriate format ● Distinguish between magnification or resolution ● Compare or contrast between prokaryotic and eukaryotic cells 	B 25-34
Student can: <ul style="list-style-type: none"> ● Accurately draw and/or label scientific diagrams ● Include a scale with the scientific diagrams ● Demonstrate some understanding of the role of microscopes in the study of cells ● Provide an analysis of the limitations of an investigation ● Organise data in the appropriate format ● Distinguish between magnification or resolution ● Compare or contrast between prokaryotic and eukaryotic cells 	C 15-24
Student can: <ul style="list-style-type: none"> ● Accurately draw and/or label scientific diagrams ● Include a scale with the scientific diagrams ● Demonstrate limited understanding of the role of microscopes in the study of cells ● Provide a limitation of the investigation ● Organise data in the appropriate format ● Distinguish between magnification or resolution ● Compare prokaryotic and eukaryotic cells 	D 10-14
Student can: <ul style="list-style-type: none"> ● Accurately draw scientific diagrams ● Some relevant information about microscopes ● Collects data ● Compare prokaryotic and eukaryotic cells 	E 1-9
Non Attempt – Non Submission – Non Serious Attempt	0



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Students will be demonstrating their understanding of cells, through the collection of first hand data.

OUTCOMES

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| BIO 11-3 | Conducts investigations to collect valid and reliable primary and secondary data and information |
| BIO 11-4 | Selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media |
| BIO 11-5 | Analyses and evaluates primary and secondary data and information |
| BIO 11-6 | Solves scientific problems using primary and secondary data, critical thinking skills and scientific processes. |
| BIO 11-8 | Describes single cells as the basis for all life by analysing and explaining cell ultrastructure and biochemical processes |