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| **Coonabarabran High School**  IN-CLASS ASSESSMENT NOTIFICATION | | | |
| **Subject:** | Year 8 Science | **Weighting:** | 20% |
| **Teacher:** | 8Science 1 Mr Thomsett  8Science 2 Mrs Eshman | **Notification date:** | 16/5/25 |
| **Topic:** | Classifying matter, Physical and chemical change, Plant systems | **Completion date:** | Week 5 junior exam week |

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| **Outcomes to be assessed:** |
| A student   * Explains how scientific understanding of, and discoveries about the properties of elements, compounds and mixtures relate to their uses in everyday life. * Describes the observed properties and behaviour of matter, using scientific models and theories about the motion and arrangement of particles. * Relates the structure and function of living things to their classification, survival and reproduction. * Process and analyses data from a first-hand investigation and secondary sources to identify trends, patterns and relationships, and draw conclusions. * Presents science ideas, findings and information to a given audience using appropriate scientific language, text types and representations. * Identifies questions and problems that can be tested or researched and makes predictions based on scientific knowledge. |

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| **You will be assessed on how well you:** |
| Use the knowledge and skills developed during the topics Classifying matter, Physical and chemical change and Plant systems to answer the questions in the examination. |

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| **Task description:** |
| **Half Yearly Examination:** This task is a written examination designed to test students’ knowledge and understanding of the concepts studied in the topics Classifying Matter, Chemical and physical changes and Plant systems. Students will also be tested on their Working Scientifically Skills.  **Exam structure: Section 1:** 20Multiple choice questions  **Section 2:** Short and long responses  **Length of exam:** 50 minutes  **Location:** Students will sit the examination in the school hall. |

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| **Submission/equipment required:** |
| **What to bring:** Blue or black pens, lead pencil, pencil sharpener, ruler, an eraser and calculator. There will be no borrowing of equipment during the exam. |

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| **Feedback (after task completion):** |
| Marks awarded for each question will be written on your completed examination paper |

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| *NOTE: This is a compulsory assessment task. You are to make a genuine attempt at the exam. You are required to be in attendance on the date stated on the exam timetable. Failing to do so may result in the awarding of the grade of 0%. If you will be away on the day, you are required to arrange an alternate time to complete the examination with your class teacher. If you are away from school on the day of the examination due to an unplanned event (eg. illness), you are required to provide your teacher with a note from a parent/caregiver when you return and will need to complete the examination when you return to school.* |

**Study guide**

To prepare for this examination, you should revise all work completed this year. The following includes some of the key concepts your class has studied. If you do not have the work, borrow a friend’s book to catch up.

**Knowledge and Understanding**

**Classifying matter**

* Identify common elements and their symbols from the Periodic Table
* Explain, using examples, how the properties of elements relate to their uses
* Name examples of common compounds and their chemical formula
* Metals and non-metals – Properties of metals and non-metals, classifying elements from Periodic Table as metals and non-metals
* Distinguish between elements, compounds and mixtures – draw diagrams to show the particle arrangement in elements, compounds and mixtures.

**Chemical and Physical Changes**

* Define physical change and chemical changes, give examples of each, list the signs that indicate a chemical change has occurred
* Word equations for chemical reactions – identify the reactants and products from a word equation, write a word equation from a description of a chemical change.
* Describe chemical changes that occur in everyday life – eg. photosynthesis, respiration

**Plants**

* Give the levels of organisation of living things and examples (cells, tissues, organs, organ systems, organism)
* Name the parts of plants and state their functions - roots/leaves/stem/flowers
* Outline the role of the xylem, phloem and stomata
* Write word equations for photosynthesis and respiration

**Skills**

* Drawing scientifically (2D / Lead Pencil / Ruler / Labels / Large and clear)
* Identify the parts of an experiment report and their purpose
* Designing experiments (Variables that are changed, kept the same and measured, replication)
* Putting data into a table
* Drawing graphs (title, label axes, choosing correct type of graph to suit the data)
* Taking measurements (reading scales, choice of equipment)