**Sample Assessment Outline**

Biology

General Year 11

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# Sample assessment outline

# Biology – General Year 11

## Unit 1 and Unit 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment  type** | **Assessment type weighting** | **Assessment**  **task**  **weighting** | **When** | **Assessment task** |
| Science  inquiry | 40% | 10% | Semester 1  Week 6 | **Task 1**: Environmental investigation – Use dichotomous keys to classify organisms in the local habitat; select a group of plants or a group of animals on which to focus your investigation. |
| 5% | Semester 1  Week 10 | **Task 3**: Practical – Microscopy techniques. Prepare slides, set up and focus a microscope, state magnification, measure cell size, interpret images and draw diagrams. |
| 5% | Semester 1  Week 12 | **Task 4**: Investigation – Respiration in seeds. Set-up, monitor and collect data conducted over two weeks. A scientific report will be written individually in class under supervised conditions. |
| 5% | Semester 2  Week 2 | **Task 7**: Practical – Gas exchange in animals. Dissect fish gills and make comparisons with a sheep’s pluck (heart and lungs). Respond to questions guiding them through the activity. |
| 5% | Semester 2  Week 4 | **Task 8**:Practical – Specialised structure for nutrition in carnivores, herbivores and parasites. Observe skulls of carnivores and herbivores to compare teeth structure and compare these with structures of parasites, e.g. hookworm. Draw diagrams, summarise findings and make inferences on other organisms’ mode of nutrition. |
| 10% | Semester 2  Week 12 | **Task 11**: Investigation – Adaptations of vascular plants and algae for an aquatic environment. Visit an aquatic ecosystem to make observations of plants; collect data and record observations. Use field notes to write a report in class under supervised conditions. |
| Extended response | 20% | 10% | Semester 1  Week 14 | **Task 5**: Extended response – Maximising photosynthesis to improve commercial plant growth. Research the topic and write responses to questions in class under supervised conditions. Time allowed – 30 minutes. A half-page of notes can be used. |
| 10% | Semester 2  Week 6 | **Task 9**: Extended response – Exchange surfaces in plants. Research the topic and write responses to questions in class under supervised conditions. Time allowed – 30 minutes. A half-page of notes can be used. |
| Test | 40% | 10% | Semester 1  Week 6 | **Task 2**: Classification test |
| 10% | Semester 1  Week 15 | **Task 6**: Cell processes test |
| 10% | Semester 2  Week 8 | **Task 10**: Functioning organisms test |
| 10% | Semester 2  Week 15 | **Task 12**: Adaptations test |
| **Total** | **100%** | **100%** |  |  |