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| **Section 1.0:** Living things share certain characteristics and have structures to perform functions. |
| **Key Term** | **Definition** | **Example** |
| **Microscope** |  |
| **Stereoscopic Microscope** |  |  |
| **Transmission Electron Microscope** |  |  |
| **Scanning Electron Microscope** |  |  |
| **Compound Microscope** |  |  |
| **Scientific Drawings** |  |
| **Scientific Drawing Rules** |
| **What is Incorrect?**    |  |
| **7 Characteristics of Living Things** |
| **Organism** |  |
| **Cells** |  |
| **Energy** |  **Plants:** **Animals:**  |
| **Photosynthesis** |  |
| **Metabolism** |  |
| **Growth and Development** |  |
| **Growth** |  |  |
| **Repair** |  |  |
| **Development** |  |  |
| **Aging** |  |  |
| **Reproduction** |  |  |
| **Response to Environment** |  |
| **Stimulus** |  |  |
| **Response** |  |  |
| **Receptors** |  |  |
| **Fight or Flight** |  |  |
| **Homeostasis** |  |  |
| **Adaptation** |  |  |
| **Structural Adaptation** |  |  |
| **Behavioural Adaptation** |  |  |
| **Structural Adaptations Assignment**With a partner, choose an organism you are interested in and research their unique lifestyle and adaptations.**Requirements:*** Environment/Habitat of the organism
* Energy sources of the organism
* Behavioural adaptation
	+ What is it?
	+ How does it aid your organism in surviving?
	+ Explain the organisms process in completing this behaviour
* 2 structural adaptations
	+ What are they?
	+ What is their function and how are they used by your organism?
	+ How does this aid your organism in surviving/everyday life?
	+ Labelled on your photo
* One “fun fact” about your organism
* At least one picture of your organism

**Presentation:** You can present the following information in any format that you would like, as long as you include all of the above information. However, on the day of presentation you will be required to present your information in a ‘science fair-style’ format. This could be a poster, tri-fold chart or brochures. Remember, other students will be walking around to view your presentation and compare adaptations with the organism they have chosen. **Marking**:

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| --- | --- |
| Environment | /1 |
| Energy sources | /2 |
| Behavioural adaptation | /3 |
| Structural adaptations | /6 |
| One Fun Fact | /1 |
| One labelled picture | /2 |
| **Total** | **/15** |

**Brainstorming/Research** |