Animal adaptations Assessment & TEST Paper

**S is for ……. Sex, Salmon, Sharks & Shellfish**

AS 91155: Demonstrate understanding of adaptation of plants or animals to their way of life

Credits: 3

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| Achievement | Achievement with Merit | Achievement with Excellence |
| Demonstrate understanding of adaptation of plants or animals to their way of life. | Demonstrate in-depth understanding of adaptation of plants or animals to their way of life. | Demonstrate comprehensive understanding of adaptation of plants or animals to their way of life. |

* For each of the three animal groups you have studied and provide a **brief description of each of their ecological niches** e.g. physical habitat, competition, predation, etc
* Describe the structural, behavioural, and/or physiological **adaptations that enable the animals in each group to carry out reproduction**. You may use annotated diagrams to support your answer
* **Explain how or why** these adaptations enable the animals in each group to **reproduce successfully**. You should provide examples to support your explanations
* **Discuss the diversity** shown in reproduction by comparing the process of reproduction and these adaptations across the three groups
* Your discussion should link each of the animals’ adaptations to its ability to live successfully in its way of life
* You need to include examples of specific advantages and/or limitations of named features or processes
* You may use annotated diagrams to support your answer… *(this really means you would be a silly twit if you don’t use diagrams)*

Assessment schedule: Biology 91155 **S is for ……. Sex, & Salmon & Shark & Shellfish**

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| Evidence/Judgements for Achievement | Evidence/Judgements for Achievement with Merit | Evidence/Judgements for Achievement with Excellence |
| The student demonstrates understanding of adaptation of animals relating to one life process (reproduction) over three taxonomic or functional groups to their way of life.  The written test will include:   * A named, description of the three taxonomic/functional groups studied * A description of the life process of reproduction in three groups. * Life cycles;   For three groups:   * A description of two adaptations (structural, behavioural or physiological) that help the animal group reproduce * A description of one adaptation that enables to carry out one from: * Survival in their physical habitat * Relate to other organisms e.g. competition, mutualism, parasitism.   The report may include as evidence, diagrams as appropriate, clearly annotated. | The student demonstrates **in-depth** **understanding** of adaptation of animals relating to one life process over three taxonomic or functional groups to their way of life.  The written test will include:  As for Achieve  AND  For at least **two** groups:   * An **explanation** of how or why **two** adaptations (structural, behavioural or physiological) for reproduction enable them to live successfully in their way of life. | The student demonstrates **comprehensive** **understanding** of adaptation of animals relating to one life process over three taxonomic or functional groups to their way of life.  The written test will include:  As for Merit  AND   * Linking several biological ideas in a comparison between reproduction across the three animal groups to include: * How the reproductive systems are linked to the success of each group. * The limitations of named features or aspects of the life process of reproduction. * Examples to support the discussion. |