

Joseph Banks Secondary College

Year 12 Integrated Science: General



Unit 3 - Task 3

Assessment type: Extended Response – Species Interactions

Conditions

Period allowed for completion of the task:

- 2 Lessons of class time dedicated to understanding and addressing the listed questions.
- 2 Lessons to prepare your notes for your extended response.
- 60 minute lesson to respond to one of the two questions in class under test conditions.
- 1 double-sided A4 page of **hand-written** notes is allowed for in-class response but no electronic devices to be used. Notes and references are to be submitted with your extended response.

Task Weighting :

10% of the school mark for this pair of units

Instructions:

Construct an extended response essay, responding to *ONE* of the essay questions on the following page. You should refer to the marking guide for each question for the distribution of marks. Use the following pages to write your extended response. At the conclusion of the 60 minutes, place your page of notes inside your booklet. Additional lined paper can be requested.

Name: _____

Intraspecific Interactions

Research the listed intraspecific interactions in order to answer **one** of the following essay questions:

Explain the cooperative hunting behaviours, and the roles of individuals during the hunt, displayed by a Pack of Gray Wolves or a Pride of Lions. Compare the way they hunt to another species, of your own choosing, that displays cooperative hunting behaviour.

Or

Explain the term symbiosis and compare and contrast parasitism, commensalism, mutualism and predation while referencing specific examples for each relationship.

You will be required to provide an extended written response to one of these questions in class using the research you have conducted. The question will enable you to demonstrate your understanding of intraspecific interactions. You will be permitted to use a double-sided A4 page of notes but no electronic devices will be allowed. Your notes and references will need to be submitted along with your written response.

Extended Response Marking Key

Cooperative Hunting Behaviour	Marks
Explains the term cooperative hunting	3
Explains the costs and benefits of cooperative hunting	4
Explains the cooperative hunting strategy of Lions or Gray Wolves	4
Explains the role of the individuals in the hunt for Lions or Gray Wolves	9
Compares and Lions or Gray Wolves to an additional species	4
Research Notes	6
References	6
APA Formatting	3
TOTAL	39
Symbiosis	Marks
Explains the term symbiotic relationship:	4
Defines the terms parasitism, commensalism, mutualism and predation:	4
Compares similarities between predation and parasitism:	2
Contrasts between predation and parasitism	2
Compares similarities between commensalism and mutualism:	2
Contrasts between commensalism and mutualism:	2
Describes an example for commensalism	2
Describes an example for mutualism	2
Describes an example of predation	2
Describes an example of parasitism	2
Research Notes:	6
References:	6
APA Formatting	3
TOTAL	39

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