

Comment on any pattern seen in graph.
PART C

Table of Energy/Biomass Flow from Plants to Butterfly Larvae

	Day 1	Day 3	3 day finals, etc.
Wet mass of Brussels sprouts	30g	11g	Grams consumed <u>19g</u>
Plant % biomass (calculate for Day 3)	2.2/11	Same as Day 3	<u>20%</u>
Plant energy (wet mass X % biomass X 4.35 kcal)	26.1	9.57	KCals consumed per 10 larvae <u>16.53 Kcal/10 larvae</u>
Plant energy consumed per larvae	X	X	KCals consumed per 1 larva <u>1.65 Kcal/larvae</u>
Wet mass of 10 larvae	0.3g	1.8g	Grams gained <u>1.5g</u>
Wet mass per individual	0.03g	0.18g	Grams gained per larva <u>0.15g</u>
Larvae % biomass	Same as Day 3	0.15	<u>0.15g</u>
Energy production per individual (individual wet mass X % biomass X 5.5 kcal/g)	0.025	0.15	KCals gained per larvae <u>0.13 Kcal/larvae</u>
Dry mass of frass from 10 larvae	X	X	0.5g <u>0.5g</u>
Frass energy (frass mass X 4.75 kcal/g)	X	X	<u>2.375 Kcal</u> 2.4
Energy of frass from 1 larva	X	X	<u>0.2375 Kcal</u> 0.24
Respiration: how much of total energy consumed was lost to respiration?	X	X	Consumed 1.65 Kcal gained/larvae - 0.13 frass - 0.24 <u>1.28</u>

Part D: Summary Questions

1. State the conclusions from this investigation in no more than three sentences.
2. Construct a diagram modeling the results of this investigation (similar to earlier diagrams). Label all arrows using actual data (numbers) from investigation.
3. Suggest a biological question raised by this investigation. Describe how your team would perform a new investigation to answer this question

Answers Energy Dynamics Lab

CH Cherryholmes



Answers Energy Dynamics Lab:

Answers Energy Dynamics Lab Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the energy of words has become more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such is the essence of the book **Answers Energy Dynamics Lab**, a literary masterpiece that delves deep to the significance of words and their impact on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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