

Name: _____

Date: _____

“Crickets...In My Lunch?”

Several school lunch professionals recently discovered the nutrients in school lunches were *insufficient* for teenagers. After much discussion they decided **crickets** should be added to school lunches! Needless to say, student reaction was mixed. Some thought this would help them meet their nutritional requirements. Others were disgusted! “Crickets, they said? Gross!”



Should crickets be included in school lunches?

Your task in this unit is to describe what you have learned about digestion and macronutrients in order to write an informational essay about why crickets are a good food source, and could be added to school lunches. Each of the boxes below can be used to support and organize your final response.

My Initial Thinking is...

Should school lunch include alternative food sources, such as crickets or other insects? Why or why not?

Macronutrients: Digestion and Transport

What do I know?

What does this tell me about adding crickets to school lunch?

Diffusion of Nutrients

What do I know?

What does this tell me about adding crickets to school lunch?

Cellular Respiration

What do I know?

What does this tell me about adding crickets to school lunch?

Final Draft: Should cricket, or another alternative source of nutrients, be included in school lunches?

☐ *Crickets **should** be included in school lunches*

☐ *Crickets **should not** be included in school lunches*

Because...

[The following are topics that you should include in your answer]

- Cricket nutrients
- Digestion of cricket nutrients
- Transport of cricket nutrients into the cell
- Energy released from cricket nutrient

Rubric:

Outcome Target	Not Yet	Meets Standards	Exceeds Standards
<i>Formulate arguments to support claims with clear reasons, sound logic, and relevant evidence</i>		☐ Makes an accurate and complete claim ☐ Provide specific evidence that connects to the claim ☐ Provides accurate and appropriate reasoning	☐ A counter-claim is disproved when required ☐ Scientific resources are utilized to support a rich thesis that convinces the audience that the given position/claim is valid
Ways to improve: ☐ Add a clear thesis statement ☐ Expand on your science reasoning ☐ Use textual evidence			
<i>Apply the use of appropriate <u>scientific vocabulary</u> in context</i>		☐ Demonstrates an understanding by using relevant scientific vocabulary	☐ Demonstrates a clear and logical understanding by applying relevant scientific vocabulary
Ways to improve: ☐ Provide an example within context ☐ Use appropriate scientific vocabulary			
<i>Purposefully utilizes time and learning space</i>		☐ Coming to class prepared (organization/on time) ☐ Using classroom resources purposefully ☐ Preparing for absences ☐ Observed work sessions demonstrate an attempt to engage in assignment	☐ Consistently coming to class prepared (organization/on time) ☐ Using classroom resources purposefully ☐ Preparing for absences ☐ Observed work sessions demonstrate a diligence and perseverance within assignment
Ways to Improve: ☐ Have necessary supplies with you ☐ Keep conversations or discussions within and about the task ☐ Utilize a folder or notebook for only science			
<i>Develop and apply necessary steps for academic achievement</i>		☐ Adheres to deadlines ☐ Demonstrates evidence of planning steps ☐ homework ☐ researching ☐ drafts ☐ goal sheet ☐ questions ☐ reviewing ☐ other ☐ calendar	☐ Consistently adheres to deadlines ☐ Demonstrates student created evidence of planning steps ☐ homework ☐ researching ☐ drafts ☐ goal sheet ☐ questions ☐ reviewing ☐ other ☐ calendar
Ways to Improve: ☐ consider completing some/more of the work outside class ☐ use a planning calendar or agenda			

