

## Appendix A. Post-implementation questionnaire

### After you have completed pilot testing Chapter 7 - The Working Cell: Energy From Food

1. Last Name: \_\_\_\_\_
2. First Name: \_\_\_\_\_
3. Last 4 digits of Social Security Number: \_\_\_\_\_
4. Grade Level:  
    \_\_\_\_ 8<sup>th</sup> grade  
    \_\_\_\_ 9<sup>th</sup> grade  
    \_\_\_\_ 10<sup>th</sup> grade  
    \_\_\_\_ other
5. Student Population Type:  
    \_\_\_\_ Regular level biology (mid-level)  
    \_\_\_\_ Honors biology (upper level)  
    \_\_\_\_ Applied Biology (lower level)  
    \_\_\_\_ Mixed regular level and honors students  
    \_\_\_\_ Other \_\_\_\_\_
6. Number of classroom days you used the chapter materials: \_\_\_\_\_
7. Length of classroom period in **minutes**: \_\_\_\_\_
8. Amount of time (**in days**) students are in front of computers  
    One student using one computer: \_\_\_\_\_  
    Group using one computer: \_\_\_\_\_  
    Whole class demonstration: \_\_\_\_\_  
    Learning station or activity center use: \_\_\_\_\_  
    Other \_\_\_\_\_
9. In the past, how many **days** would you devote to this topic? (If less than a day, count this as one full day). \_\_\_\_\_

10. Method of instruction. Please assign a percentage to your use of the Exploring Life chapter materials in your classroom. For example, if you used the Exploring Life Website activities on the computer for 50% of your classroom instruction time, enter 50. The total should be 100%.

\_\_\_\_ %Textbook  
\_\_\_\_ %Computers (excluding pre and posttest time)  
\_\_\_\_ %Labs  
\_\_\_\_ %Other \_\_\_\_\_  
100% TOTAL

The following list are Exploring Life Web-based activities. Check YES for the ones that you used. If you did not use the activity, check NO box. Please explain why you did not use the activity.

Web-based Activity	Used		Minutes Used	If you did not use, why not?
	YES	NO		
CalorieQuest				
Concept 7.1 - Sunlight powers life.				
Concept 7.2 - Food stores chemical energy.				
Lab 7.1 - Investigating Chemical Energy Stored in Food				
Concept 7.3 - A molecule called ATP powers work in your cells.				
Concept 7.4 - Electrons "fall" from food to oxygen during cellular respiration.				
Concept 7.5 - Electrons "fall" from food to oxygen during cellular respiration.				
Lab 7.2 - Guided Research: Cellular Respiration in FastPlants®				
Explore!: Aerobic Exercise and Dietary Supplements				
Closer Look - Cellular respiration converts food energy to ATP energy.				
Concept 7.6 - Some cells can harvest food energy without oxygen.				
Closer Look - Fermentation				
Chapter 7 Quiz				

Please mark the box that indicates how much you agree or disagree with each statement.					
	Strongly disagree	Somewhat disagree	Neutral	Somewhat agree	Strongly agree
I found enough <b>diverse activities</b> that I could pick and choose what I needed in this chapter.					
The topics in this chapter and the modes of instruction were <b>developmentally appropriate</b> for my students.					

List 3 ways to improve this Exploring Life chapter.

Additional comments.