

# Pre- and Post-project Questionnaire for Graduate Student Fellows GK-12: 2004-05

GSF Name: \_\_\_\_\_ Date: \_\_\_\_\_

Please respond to the following questions as best as you can. This will help us to evaluate your current understanding of the K-12 community and how well this project meets its goals. If you print this out, feel free to use the backside of this sheet for more room. *Return to Betsy ASAP!*

1) What do you think is meant by the term conceptual-based learning?

2) What is meant by inquiry-based learning?

3) List five concepts that you feel would be essential for students to understand about biodiversity.

4) Use the scale below to rate your current knowledge on each of the following:

a. California Science Framework	1	2	3	4	5	6	7
	no knowledge				highly knowledgeable		
b. California Science Content Standards	1	2	3	4	5	6	7
	no knowledge				highly knowledgeable		
c. National Science Education Standards	1	2	3	4	5	6	7
	no knowledge				highly knowledgeable		
d. No Child Left Behind legislation	1	2	3	4	5	6	7
	no knowledge				highly knowledgeable		

5) Use the scale below to rate your level of comfort in working with each of the following:

a. High School students	1	2	3	4	5	6	7
	UNcomfortable				Very comfortable		
b. Middle School students	1	2	3	4	5	6	7
	UNcomfortable				Very comfortable		
c. K-12 teachers	1	2	3	4	5	6	7
	UNcomfortable				Very comfortable		
d. Undergraduates	1	2	3	4	5	6	7
	UNcomfortable				Very comfortable		
e. Graduate students	1	2	3	4	5	6	7
	UNcomfortable				Very comfortable		
f. Faculty	1	2	3	4	5	6	7
	UNcomfortable				Very comfortable		
g. General Public	1	2	3	4	5	6	7
	UNcomfortable				Very comfortable		

6) While teaching science, what percent of class time do you feel should be spent on the following activities?

- Lecturing
- Reading to the students
- Having your students read
- Group discussion
- Hands-on activities
- Independent projects
- Outdoor explorations or field trips
- Other (please explain)

7) Use the scale below to indicate how well you believe high school students are able to

	Poor					Very well	
a. Make observations	1	2	3	4	5	6	7
b. Pay attention to detail	1	2	3	4	5	6	7
c. Stay on task	1	2	3	4	5	6	7
d. Complete boring and repetitive tasks	1	2	3	4	5	6	7
e. Ask questions	1	2	3	4	5	6	7
f. Make predictions	1	2	3	4	5	6	7
g. Make inferences	1	2	3	4	5	6	7
h. Pose hypotheses	1	2	3	4	5	6	7
i. Reject hypotheses	1	2	3	4	5	6	7

8. a. Reflecting on your knowledge of the skills necessary for successful fieldwork, list five skills that you feel high school students will be capable of learning or using during the project.

b. List five skills that you feel high school students will have difficulty learning or using during the project.

9) What do you see as the biggest problem in K–12 science education?

10) What do you feel will be your greatest contribution to the students with whom you will be working?

11) List one or two personal goals that you would like to work toward/achieve during your year with the GK–12.