

Pond Abiotic & Biotic Field Results

	Your Name:	Team Name:	Date:	
	Estimated Perimeter:	EStima	ated Surface Area:	
1. Make a sketcł	n of the pond being analyzed. Includ	de vegetation; bush	es, grasses, trees, etc.	
2. General Appe observations.	earance: Describe the color and sme	ell of the pond. Note	any garbage, animal signs, or other	
Abiotic Result 3. Temperature:	<i>ts-</i> Air°F/°C Surface	ºF/ºC Bott	omºF/ºC	
4. Turbidity: Des approximate dep	cribe the clarity of the water. How coth?	lear is it? Can you s	see the bottom? Can you guess an	
5. Chemical Pro _l	perties: a. Dissolved Oxygen	ppm	b. pH	
Biotic Results 6. What life do y	ou see in the pond?			
7. What signs of	life do you see around the pond?			
8. Does it appea	ar that the pond is actively used by a	a great diversity of c	rganisms?	
9. How are these	e organisms using the pond?			
10. How doe	s the pond play a role in the ecosys	tem you are observ	ing?	





The Pond Prognosis-

1. Research and decide whether each test listed showed good or poor results. Place an "X" in the appropriate box. In the last row, total the number of "X"s from each column.

Water Tests	Good	Poor (Danger reading)	Uncertain/ Not applicable		
General appearance					
Temperature					
Turbidity					
Dissolved Oxygen					
рН					
Invertebrate Diversity					
Total					

1550	nveu Ox	tygen								
H										
overtebrate Diversity										
			Total							
2.	 List three conclusions about the current state of the pond's health (ex. Dissolved oxygen level is good for trout growth, pH level is 7.5- good for invertebrate diversity is low, etc.) A. 									
	B.									
	C.									
3.	Rate the health of the pond on a scale from 1 to 10 (circle your answer). Be sure to explain why in writing your choice.									
Ve	1 ry Sick	2	3	4	5	6	7	8	9 10 Very Healthy	у
4. List one positive way and one negative way in which humans may be affecting the pond.										
Ро	sitive:									

Negative:

5. What do you suggest for the current or better health for the pond?



