

FISH FOOD WATER STABILITY TEST

Name: _____

Overview: During this activity you will observe and record the water stability of fish feeds using live, or fresh, fish food and store bought fish food pellets.

Materials:

1. Several samples of store bought fish food
2. Several live or fresh fish foods, such as tuna, sardines, worms, etc.
3. 250 ml beaker or similar sized plastic container
4. Water
5. Stop watch or clock

Method:

1. Obtain 4 feed samples from the instructor.
 2. Have students set up 4 beakers with water.
 3. Drop a small piece of eat food item into the water and record the immediate results.
 4. Continue to observe feed.
 5. Record results at 10-minute intervals until 30 minutes have elapsed.
 6. Record final observations.
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FISH FOOD WATER STABILITY TEST: Data Sheet (Each section is worth 1 point, 25 total points)

BEAKER	SAMPLE DESCRIPTION	Time: Minutes	OBSERVATIONS
1.		0	
		10	
		20	
		30	
		Final	
BEAKER	SAMPLE DESCRIPTION	Time: Minutes	OBSERVATIONS
2.		0	
		10	
		20	
		30	
		Final	
BEAKER	SAMPLE DESCRIPTION	Time: Minutes	OBSERVATIONS
3.		0	
		10	
		20	
		30	
		Final	
BEAKER	SAMPLE DESCRIPTION	Time: Minutes	OBSERVATIONS
4.		0	
		10	
		20	
		30	
		Final	

Discussion Questions:

Answer the discussion questions based on your observations of fish feeds and their apparent water stability. (Each question is worth 5 pts.)

1. Describe the characteristics of fish feeds used during this experiment.
 - A. Live (fresh) fish food:

 - B. Store bought food:

 - C. What happened to each fish food sample you tested at first?

 - D. What happened as the food sat in the water?

2. Based on your observations which feed sample (type) would be the best fish food for an aquaculture operation? Why?

3. What problems might arise if this food was not used (eaten) right away?

4. How does water stability of feeds relate to fish feeding practices?