

NAME(S):

Stream Scenario 1

	Mayfly	
Sample date	Number of Larvae	Number of Adults

1. Why are you seeing changes in your sampling numbers?

2. You notice the adult mayflies around the stream were swooping down and touching their abdomens to the water. What are the mayflies doing?

NAME(S):

Stream Scenario 2

	Mayfly			
Sample date	Number of Larvae	Number of Adults	What does the stream environment look like? Examine the pictures on the front of each envelop.	Where there any significant events (disturbance, storm, etc)?:

1. Why are you seeing changes in your sampling numbers?

2. What evidence could you collect that would support your answer?

Stream Scenario 3

	Mayfly			
Sample date	Number of Larvae	Number of Adults	What does the stream environment look like? Examine the pictures on the front of each envelop.	Where there any significant events (disturbance, storm, etc)?:

1. Why are you seeing changes in your sampling numbers?

2. Your teacher suggests that most of the mayfly larvae hatched into adults and left the area before the heat wave began. What evidence could you look for to find out if this is true? (Remember that mayflies need to molt a second time after they emerge from the water.)

NAME(S):

Stream Scenario 4

	Mayfly			
Sample date	Number of Larvae	Number of Adults	What does the stream environment look like? Examine the pictures on the front of each envelop.	Where there any significant events (disturbance, storm, etc)?:

1. Why are you seeing changes in your sampling numbers?

2. What evidence could you collect to support your answer?

NAME(S):

Stream Scenario 5

	Mayfly			
Sample date	Number of Larvae	Number of Adults	What does the stream environment look like? Examine the pictures on the front of each envelop.	Where there any significant events (disturbance, storm, etc)?:

1. Why are you seeing changes in your sampling numbers?

2. You are going back to sample for mayflies again in two weeks. Do you expect to find more or fewer larvae and adults?

NAME(S):

Stream Scenario 6

	Mayfly		
SAMPLE SITE	Number of Larvae	Number of Adults	What does the stream environment look like? Examine the pictures on the front of each envelop.

1. Why would there be a difference in the number of mayfly in their site versus yours?

2. Give examples of biotic and abiotic factors that might affect your samples.