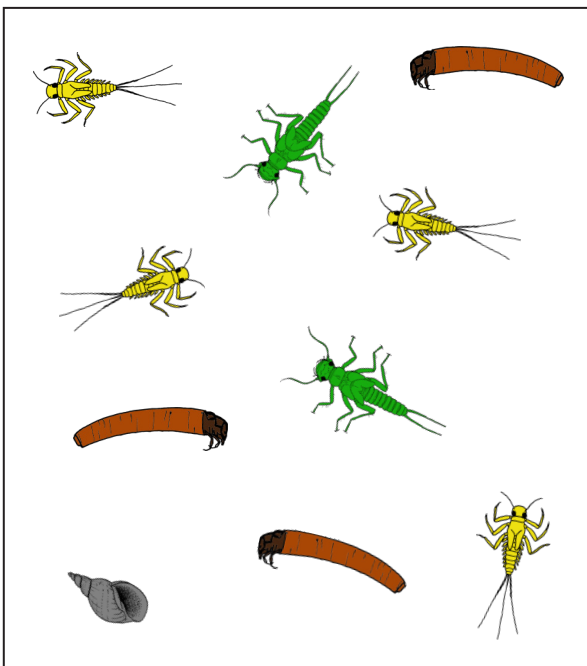# Invertebrate sample counting

After you have collected your samples from the stream, it is time to identify and count the invertebrates you have found.

Name _____

1. Look at the two sample trays below from Stream 1 and Stream 2 to see how many species you have (species richness).

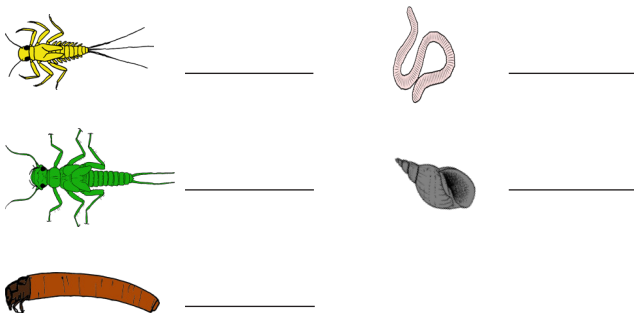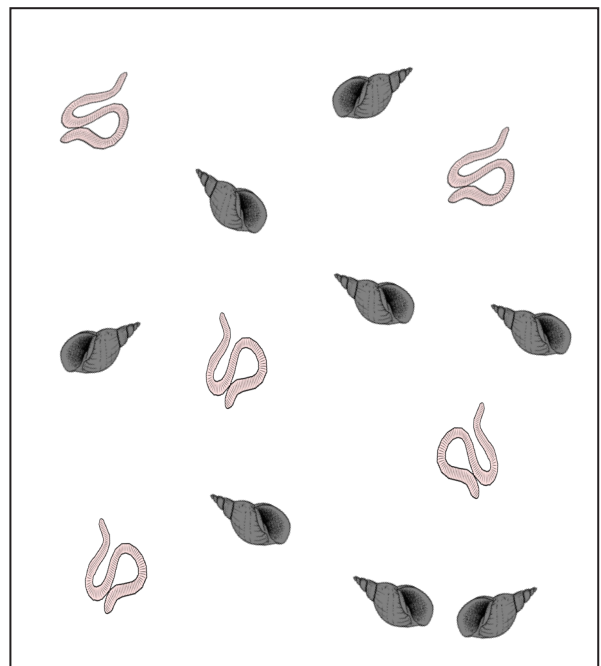2. Then count and tally the number of each kind of invertebrate found in the two trays.
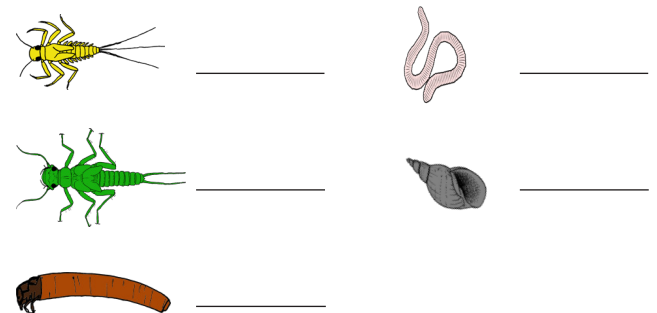
Stream 1

Species richness _____

Species count

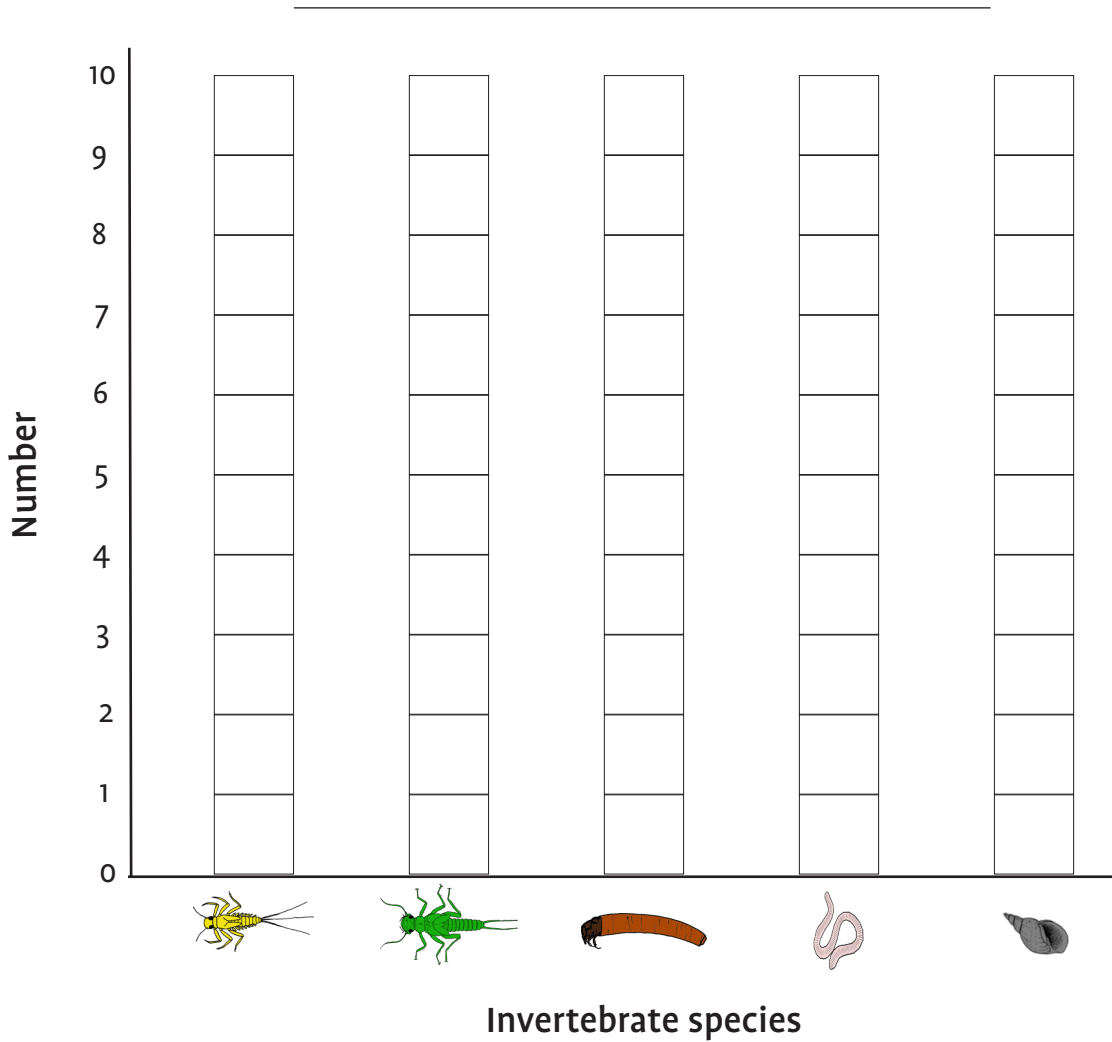**Total number of individuals** _____

Stream 2

Species richness _____

Species count

Total number of individuals _____

1. Choose one of your streams.

2. Plot a bar graph, showing the total number of each kind of invertebrate found in that stream.

3. Add a title to the top of your graph.

Number (y-axis: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10)

Invertebrate species

Using what you have learned today about what invertebrates and stream health and the data in your graph shown above, what can you tell us about this stream?
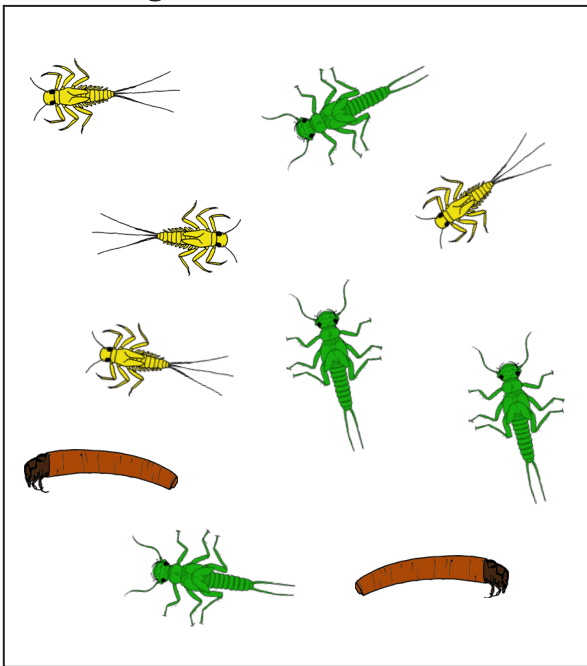
Is it healthy or unhealthy?

Invertebrate sample counting

After you have collected your samples from the stream, it is time to identify and count the invertebrates you have found.

Name _____

1. Look at the two sample trays below from Stream 1 and Stream 2 to see how many species you have (species richness).

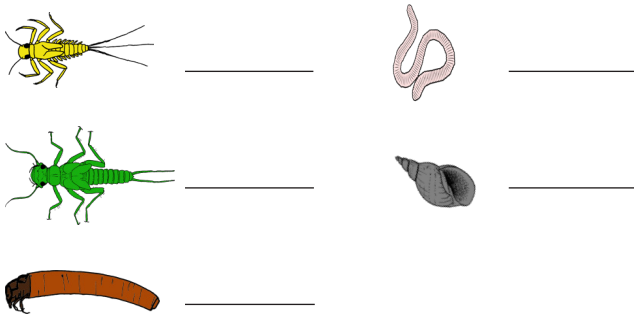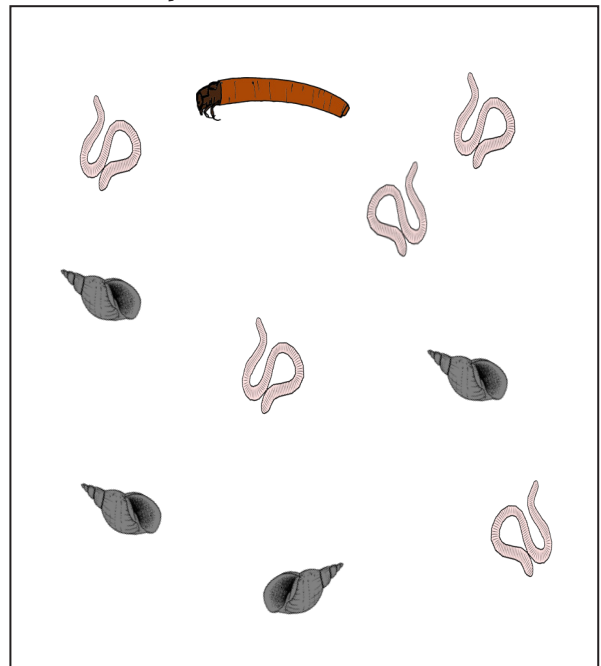2. Then count and tally the number of each kind of invertebrate found in the two trays.
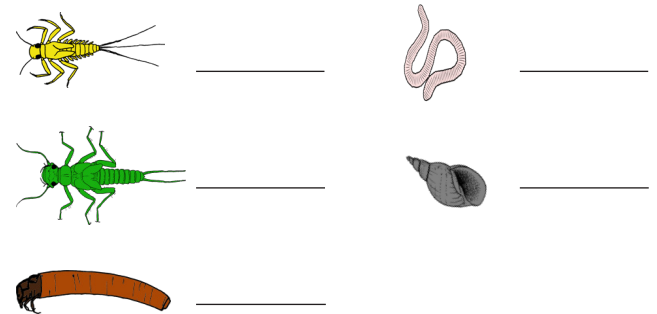
Stream 3

Species richness _____

Species count

 _____   _____

 _____   _____

 _____

Total number of individuals _____

Stream 4

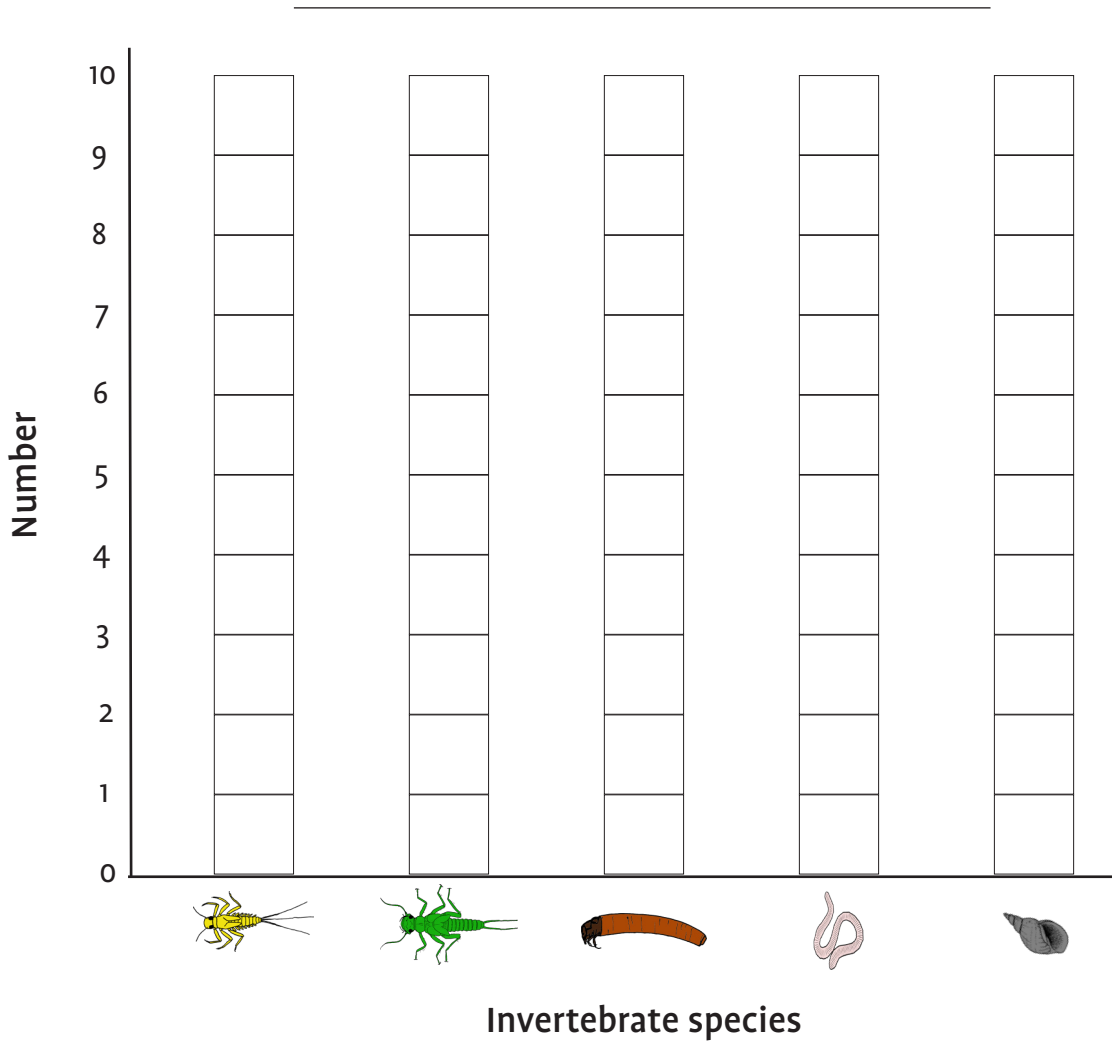**Species richness** _____

Species count

 _____   _____

 _____   _____

 _____

Total number of individuals _____

1. Choose one of your streams.

2. Plot a bar graph, showing the total number of each kind of invertebrate found in that stream.

3. Add a title to the top of your graph.

Using what you have learned today about what invertebrates and stream health and the data in your graph shown above, what can you tell us about this stream?
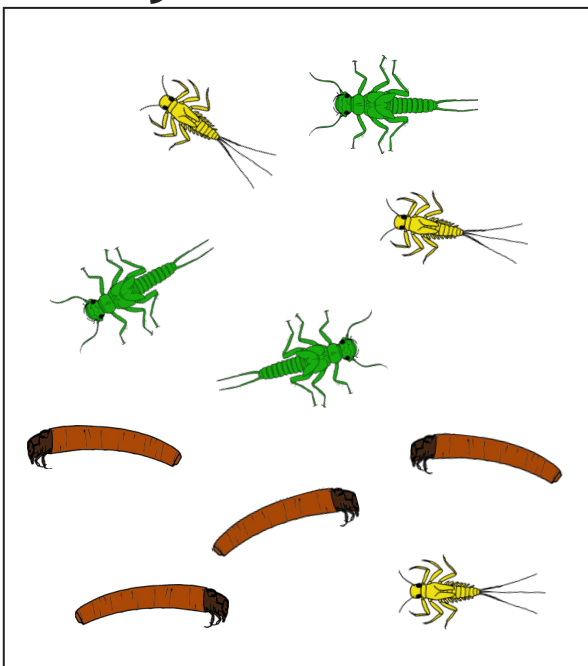
 Is it healthy or unhealthy?

Invertebrate sample counting

After you have collected your samples from the stream, it is time to identify and count the invertebrates you have found.

Name _____

1. Look at the two sample trays below from Stream 1 and Stream 2 to see how many species you have (species richness).

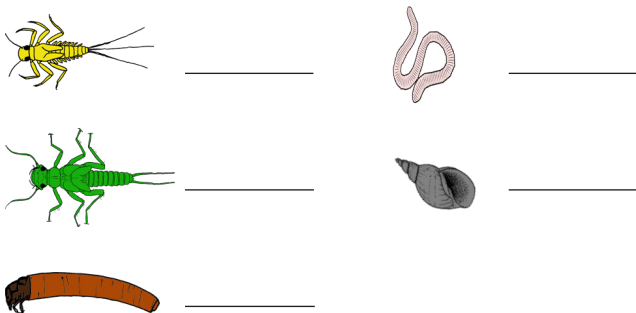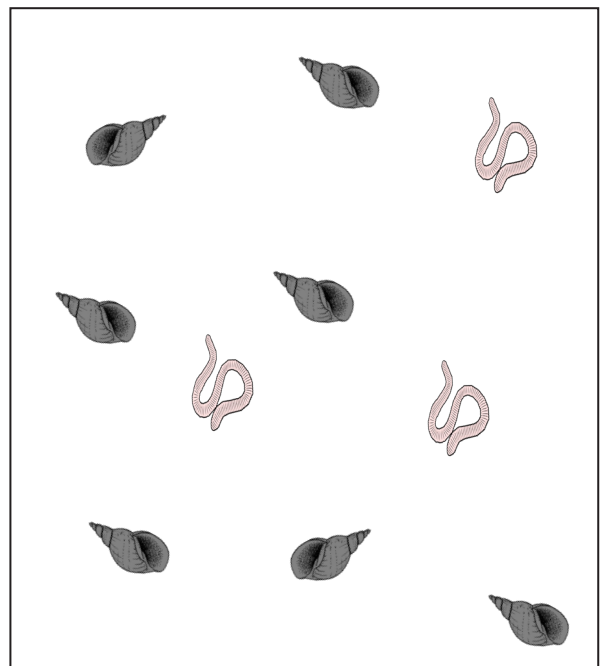2. Then count and tally the number of each kind of invertebrate found in the two trays.

Stream 5
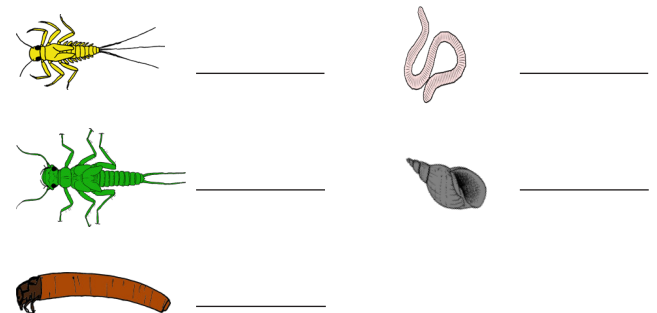

Stream 6

Species richness _____

Species count

  _____   _____

  _____   _____

  _____

Total number of individuals _____

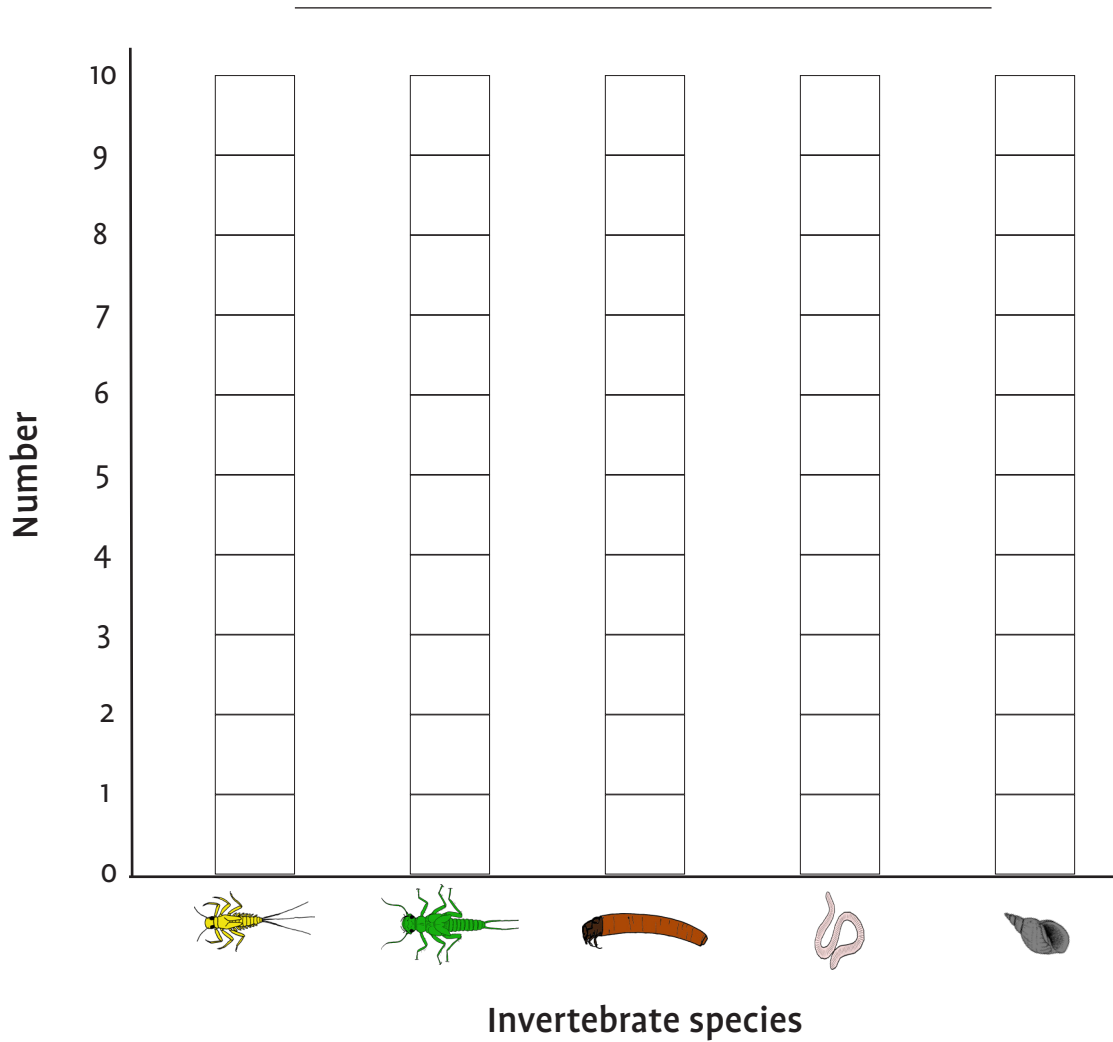**Species richness** _____

Species count

  _____   _____

  _____   _____

  _____

Total number of individuals _____

3. Choose one of your streams.

4. Plot a bar graph, showing the total number of each kind of invertebrate found in that stream.

5. Add a title to the top of your graph.

Using what you have learned today about what invertebrates and stream health and the data in your graph shown above, what can you tell us about this stream?

Is it healthy or unhealthy?